Chemical Geology, 100 (1992) 203–319
Elsevier Science Publishers B.V., Amsterdam

Author Index Volumes 51–100

This Author Index is a cumulative list of all Author's names with titles of their papers including (book)reviews, prefaces/introductions to special issues, etc., which were published in Volumes 51–100 of *Chemical Geology/Isotope Geoscience*. The first figure in the last column is the volume number(issue number) and the last figure indicates the page number(s). The complete title of a paper is only listed with the name of the first Author. For the year of publication of a paper the reader is referred to the list at the bottom of p. 319.

Akagi, T. and Masuda, A., Isotopic studies and REE geochemistry on alluvial diamonds from Zaire ..... 70(1/2): 2
Abbey, S., Evaluation and application of reference materials for the analysis of rocks and minerals ..... 95(1/2): 123–130
Abel, F., see Jaoul, O. et al. ..... 70(1/2): 79
Abel, P., see Sautter, V. et al. ..... 70(1/2): 186
Abell, P.I., Oxygen isotope ratios in modern African gastropod shells: A data base for paleoclimatology ..... *58(1/2): 183–193
Abell, P.I. and Nyamweru, C.K., Paleoenvironments in the Chalbi Basin of Kenya ..... *72(4): 283–291
Abrajano, T.A., Sturchio, N.C., Bohlke, J.K., Lyon, G.L., Poreda, R.J. and Stevens, C.M., Methane–hydrogen gas seeps, Zambales Ophiolite, Philippines: Deep or shallow origin? ..... 71(1/3): 211–222
Abreu, M.M., see Marques, M. et al. ..... 84(1/4): 176–178
Abreu, M.M., see Prudencio, M.I. et al. ..... 84(1/4): 246–248
Abu El-Ella, R. and Carpenter, J., Multivariate analysis of lipid distributions in Recent Salt marsh sediments 85(3/4): 393–402
Adams, J.A.S., see Pereira, E.B. et al. ..... *58(3): 217–226
Agee, Jr., W.N., see Kyle, J.R. and Agee, Jr., W.N. ..... 74(1/2): 37– 55
Agrinier, P., The natural calibration of $^{18}O/^{16}O$ geothermometers: application to the quartz–rutile mineral pair ..... 91(1): 49– 64
Agrinier, P. and Javoy, M., A natural calibration of the quartz–rutile mineral pair oxygen isotope geothermometer ..... 70(1/2): 182
Agrinier, P., Javoy, M., Smith, D.C. and Pineau, F., Carbon and oxygen isotopes in eclogites, amphibolites, veins and marbles from the Western Gneiss Region, Norway ..... *52(2): 145–162
Agrinier, P., Javoy, M. and Girardeau, J., Hydrothermal activity in a peculiar oceanic ridge: Oxygen and hydrogen isotope evidence in the Xigaze ophiolite (Tibet, China) ..... 71(4): 313–335
Agrinier, P., see Ildefonse, P. et al. ..... 84(1/4): 371–372
Ahamdach, N., Pagel, M. and Girard, C., Radioisotopes redistribution of the ^{238}U series in the Peny Episyenite (NW Massif Central, France) ..... 84(1/4): 344–346
Aharon, P., A stable-isotope study of magnesites from the Rum Jungle Uranium Field, Australia: implications for the origin of strata-bound massive magnesites ..... 69(1/2): 127–145
Aharon, P., see Graber, E.R. and Aharon, P. ..... *94(2): 137–144
Ahmat, A.L., see Fletcher, I.R. et al. ..... *87(3/4): 197–216
Ahmed, Z., Comparison of the geochemistry of ophiolitic pyroxenites with a strongly fractionated dyke of pyroxenite from the Sakhakot–Qila ophiolite, Pakistan ..... 91(4): 335–355
Airey, P.L., Radionuclide migration around uranium ore bodies in the Alligator Rivers Region of the Northern Territory of Australia — Analogue of radioactive waste repositories — A review ..... 55(3/4): 255–268
Airey, P.L. and Ivanovich, M., Geochemical analogues of high-level radioactive waste repositories ..... 55(3/4): 203–213
Airey, P.L., see Fabryka-Martin, J. et al. ..... *72(1): 7– 16
Aizawa, S. and Akaiwa, H., Geochemical behavior of transition metals during the formation of protodolomite in Minamidaitojima Island, Japan ..... 67(3/4): 275–284
Aizawa, S. and Akaiwa, H., Cadmium contents of Triassic and Permian limestones in central Japan ..... 98(1/2): 103–110
Aizenshtat, Z., see Miloslavski, I. et al. ..... 91(3): 287–296
Akaiwa, H., see Aizawa, S. and Akaiwa, H. ..... 67(3/4): 275–284
Akaiwa, H., see Aizawa, S. and Akaiwa, H. ..... 98(1/2): 103–110

*Refers to *Isotope Geoscience*.

0009-2541/92/$05.00 © 1992 Elsevier Science Publishers B.V. All rights reserved.

Akimoto, S. and Suzuki, T., Metal–silicate–water reaction under high pressure — formation of metal hydride and implications for composition of the core and mantle ... 71(4): 365
Akkerman, J.H., see Oostindiër, J. et al. ... 70(1/2): 136
Akpanika, O.I., Ukpong, E.E. and Olade, M.A., Mineralogy and geochemical dispersion in tropical residual soils overlying a talc deposit in southwestern Nigeria ... 63(1/2): 109–119
Al Gharib, I., see Sarazin, G. et al. ... 98(3/4): 307–316
Al Ruwaih, F., see Robinson, B.W. and Al Ruwaih, F. ... *58(1/2): 129–136
Al-Aasm, I.S., Taylor, B.E. and South, B., Stable isotope analysis of multiple carbonate samples using selective acid extraction ... *80(2): 119–125
Al-Allak, M.M., see Al-Bassam, K.S. and Al-Allak, M.M. ... 51(3/4): 199–212
Al-Bassam, K.S. and Al-Allak, M.M., Factors controlling the deposition of some Tethyan phosphorites of Iraq ... 51(3/4): 199–212
Al-Dabbagh, S.M.A., see Dhannoun, H.Y. et al. ... 69(1/2): 87– 93
Al-Dabbagh, S.M.A., see Dhannoun, H.Y. and Al-Dabbagh, S.M.A. ... 69(1/2): 95–101
Al-Dabbagh, S.M.A., see Dhannoun, H.Y. and Al-Dabbagh, S.M.A. ... 82(1/2): 57– 68
Albaigés, J., see Grimalt, J.O. et al. ... 82(3/4): 341–363
Albarède, F., Further merits of the equilibrium melting model ... 70(1/2): 152
Albarède, F. and Michard, A., Transfer of continental Mg, S, O and U to the mantle through hydrothermal alteration of the oceanic crust ... 57(1/2): 1– 15
Albarède, F. and Michard, A., Evidence for slowly changing $^{87}Sr/^{86}Sr$ in runoff from freshwater limestones of southern France ... 64(1/2): 55– 65
Albarède, F. and Dautel, D., Nd isotopic composition of Mn nodules from the Indian Ocean and the Nd balance of seawater ... 70(1/2): 194
Albarède, F., see Michard, A. and Albarède, F. ... 55(1/2): 51– 60
Albarède, F., see Chaussidon, M. et al. ... 70(1/2): 47
Albarède, F., see Lécuyer, C. et al. ... 89(1/2): 87–115
Albarède, F., see Rossy, M et al. ... 97(1/2): 33– 46
Albrecht, P., see Ries-Kautt, M. and Albrecht, P. ... 76(1/2): 143–151
AlDahan, A.A. and Morad, S., Some remarks on the stability of sphene in diagenetic environments ... 70(3): 249–255
Aleinikoff, J.N. and Stoeser, D.B., Contrasting zircon morphology and U–Pb systematics in peralkaline and metaluminous post-orogenic granite complexes of the Arabian Shield, Kingdom of Saudi Arabia ... *79(3): 241–258
Aleinikoff, J.N., Winegarden, D.L. and Walter, M., U–Pb ages of zircon ages: A new analytical method using the air-abrasion technique ... *80(4): 351–363
Alexander, C.M.O'D., Arden, J.W., Schelhaas, N., Ott, U., Wright, I.P. and Pillinger, C., C and N isotopes in ordinary chondrites: Characterisation of isotopically anomalous phases ... 70(1/2): 24
Alexander, J., see Ivanovich, M. and Alexander, J. ... *66(3/4): 279–291
Alexander, Jr., E.C., see Samson, S.D. and Alexander, Jr., E.C. ... *66(1/2): 27– 34
Alexander, R., see Curiale, J.A. et al. ... 93(1/2): vii
Alexander, R., see Subroto, E.A. et al. ... 93(1/2): 179–192
Ali Khan, A., see Price, N.B. et al. ... 70(1/2): 111
Allan, M.J., An integrated laboratory technique for acquisition of high precision (138/136) cerium metal isotopic ratios ... 70(1/2): 172
Allard, B., see Karlsson, S. et al. ... 67(1/2): 1– 15
Allard, P., Carbon and helium isotopic constraints on the origin of volcanic carbon from subduction zones ... 70(1/2): 36
Allard, P., Maliorano, A., Pece, R., Tedesco, D., Turi, B. and Wakita, H., He, C and S isotopes in subaerial and submarine fumaroles from the caldera of Phlegrean Fields, Italy ... 70(1/2): 2
Allègre, C.J, Editorial: Change of Editors ... 75(3): i
Allègre, C.J, see Fourel, F. et al. ... 70(1/2): 134
Allègre, C.J. and Rousseau, D., Nd–Sr isotopic study of Himalaya Tibet gneiss and granitoids. Development of the Asian continental crust since the Jurassic time ... 70(1/2): 66
Allègre, C.J., Dupré, B. and Lewin, E., Thorium/uranium ratio of the Earth ... 56(3/4): 219–227
Allègre, C.J., Lewin, E. and Dupré, B., A coherent crust–mantle model for the uranium–thorium–lead isotopic system ... 70(3): 211–234
Allègre, C.J., see Staudacher, Th. et al. ... 56(3/4): 193–205
Allègre, C.J., see Hamelin, B. et al. ... 68(3/4): 229–238
Allègre, C.J., see Negrel, Ph. et al. ... 70(1/2): 13
Allègre, C.J., see Seimbille, F. et al. ... 70(1/2): 16
Allègre, C.J., see Rotaru, M. et al. ... 70(1/2): 26
Allègre, C.J., see Manhès, G. et al. ... 70(1/2): 32
Allègre, C.J., see Sarda, Ph. et al. ... 70(1/2): 40
Allègre, C.J., see Staudacher, Th. and Allègre, C.J. ... 70(1/2): 41
Allègre, C.J., see Rousseau, D. et al. ... 70(1/2): 46

Allègre, C.J., see Dupré, B. et al. ... 70(1/2): 48
Allègre, C.J., see Göpel, C. et al. ... 70(1/2): 49
Allègre, C.J., see Lewin, E. and Allègre, C.J. ... 70(1/2): 53
Allègre, C.J., see Luck, J.M. et al. ... 70(1/2): 54
Allègre, C.J., see Pegram, W.J. et al. ... 70(1/2): 55
Allègre, C.J., see Dia, A. and Allègre, C.J. ... 70(1/2): 67
Allègre, C.J., see Dia, A. et al. ... 70(1/2): 118
Allègre, C.J., see Chabaux, E. et al. ... 70(1/2): 125
Allègre, C.J., see Blanc, G. et al. ... 70(1/2): 133
Allègre, C.J., see Ben Othman, D. et al. ... 70(1/2): 172
Allègre, C.J., see Prinzhofer, A. et al. ... 70(1/2): 178
Allègre, C.J., see Reisberg, L. et al. ... 70(1/2): 202
Allègre, C.J., see Nelson, B.K. and Allègre, C.J. ... 70(1/2): 203
Allègre, C.J., see Dia, A. et al. ... 75(4): 291–304
Allègre, C.J., see Staudacher, Th. et al. ... 89(1/2): 1– 17
Allègre, C.J., see Nakamura, E. et al. ... *94(3): 193–204
Allen, C.C., see Lane, D.L. et al. ... 76(3/4): 327–340
Allibert, M., see Amossé, J. et al. ... 81(1/2): 45– 53
Allison, G.B., Gat, J.R. and Leaney, F.W.J., The relationship between deuterium and oxygen-18 delta values in leaf water ... *58(1/2): 145–156
Allsopp, H., The *Geochronology and Evolution of Africa* by L. Cahen, N.J. Snelling, J.Delhal and J.R. Vail (with the collaboration of M. Bonhomme and D. Ledent) (Book Review) ... *52(3/4): 397–398
Allsopp, H.L., see Brown, R.W. et al. ... *79(2): 125–136
Allsopp, H.L., see Smith, C.B. et al. ... *79(2): 137–145
Almohandis, A.A., see Speer, J.A. et al. ... 75(3): 153–181
Alpern, B., *Coal Exploration, Mine Planning and Development* by R.D. Merrit (Book Review) ... 63(3/4): 358–359
Alpers, C.N., Rye, R.O., Nordstrom, D.K., White, L.D. and King, B.-S., Chemical, crystallographic and stable isotopic properties of alunite and jarosite from acid–hypersaline Australian lakes ... 96(1/2): 203–226
Altherr, R., see Henjes-Kunst, F. et al. ... *73(2): 125–145
Ambrosi, J.-P. and Chen, Y., ESR dating for lateritic weathering: preliminary approach ... 84(1/4): 19– 22
Ambrosi, J.P. and Nahon, D., Petrological and geochemical differentiation of lateritic iron crust profiles ... 57(3/4): 371–393
Amiel, A.J., see Magaritz, M. et al. ... 100(1/2): 147–158
Amonette, J.E. and Scott, A.D., Determination of ferrous iron in non-refractory silicate minerals, 1. An improved semi-micro oxidimetric method ... 92(4): 329–338
Amossé, J., Allibert, M., Fischer, W. and Piboule, M., Experimental study of the solubility of platinum and iridium in basic silicate melts — Implications for the differentiation of platinum-group elements during magmatic processes ... 81(1/2): 45– 53
Amossé, J., see Benmoussa, L. et al. ... 63(1/2): 121–132
Amouric, M., see Parron, C. and Amouric, M. ... 84(1/4): 286–289
Amundsen, H.E.F., Andersen, T. and Burke, E.A.J., Trapped fluids associated with Cr-diopside rich veins in spinel lherzolite xenoliths: Implications for mantle metasomatism ... 70(1/2): 46
Anbeek, C., The influence of fracturing on apparent dissolution rates ... 84(1/4): 306–307
Anders, E., A global fire at the Cretaceous–Tertiary boundary ... 70(1/2): 118
Andersen, N.B.J., see Andreoli, M.A.G. et al. ... 70(1/2): 69
Andersen, T., Mantle and crustal components in a carbonatite complex, and the evolution of carbonatite magma: REE and isotopic evidence from the Fen complex, southeast Norway ... *65(2): 147–166
Andersen, T., see Amundsen, H.E.F. et al. ... 70(1/2): 46
Anderson, G.M., see Castet, S. et al. ... 70(1/2): 158
Anderson, R.F., see Herczeg, A.L. et al. ... *72(2): 181–196
Anderson, S., see Dorn, R.I. et al. ... 99(4): 289–298
Andrade, A., see Schuiling, R.D. and Andrade, A. ... 70(1/2): 2
Andrault, D., Itie, J.P. and Poirier, J.P., High pressure synchrotron radiation EXAFS study of perovskites ... 70(1/2): 60
André, L., see Vander Auwera, J. and André, L. ... 70(1/2): 137
André, L., Deutsch, S. and Hertogen, J., Trace-element and Nd isotopes in shales as indexes of provenance and crustal growth: The early Paleozoic from the Brabant Massif (Belgium) ... 57(1/2): 101–115
André, L., see De Mulder, M. et al. ... 57(1/2): 117–136
Andreev, A., see Yanev, Y. et al. ... 71(4): 370
Andreoli, M.A.G., Hart, R.J., Andersen, N.B.J. and Moore, J., Th, U, REE-rich anorthosite from Namaqualand, S. Africa. Implications for metallogenesis and KREEP-basalt ... 70(1/2): 69
Andreoli, M.A.G., see Hart, R.J. et al. ... 70(1/2): 69
Andreoli, M.A.G., see Hart, R.J. et al. ... 82(1/2): 21– 50

Andreoli, M.A.G., see Hart, R.J. et al. ..... 83(3/4): 233–248
Andretta, D., Polizzano, C., Taddeucci, A. and Voltaggio, M., U–Th–Ra isotope disequilibria in the Pliocene clay from Pasquasia (Enna, Sicily) ..... 70(1/2): 124
Andretta, D., Taddeucci, A. and Voltaggio, M., U & Th distribution and isotopic composition in recent (post-calderic) volcanics from Alban Hills (Rome), chronology and magmatologic considerations ..... 70(1/2): 124
Andretta, D., Taddeucci, A. and Voltaggio, M., Th-230 dating of the last products of the Alban Hills volcano (Rome) ..... 70(1/2): 130
Andrews, J.E., Geochemical indicators of depositional and early diagenetic facies in Holocene carbonate muds, and their preservation potential during stabilisation ..... 93(3/4): 267–289
Andrews, J.N., see Fontes, J.Ch. et al. ..... 71(4): 367
Andriessen, P.A.M., Hebeda, E.H., Simon, O.J. and Verschure, R.H., Tourmaline K–Ar ages compared to other radiometric dating systems in Alpine anatectic leucosomes and metamorphic rocks (Cyclades and southern Spain) ..... 91(1): 33– 48
Angell, C.A., Cheeseman, P.A. and Kadiyala, R.R., Diffusivity and thermodynamic properties of diopside and jadeite melts by computer simulation studies ..... 62(1/2): 83– 92
Angell, C.A., see Poe, B.T. et al. ..... 96(3/4): 333–349
Angino, E.E., *Geochemical Exploration 1983* by A.J. Björklund (Editor) (Book Review) ..... 56(3/4): 337–338
Angulo, L., see Grimalt, J.O. et al. ..... 82(3/4): 341–363
Anhaeussen, C.R., see Gruau, G. et al. ..... 70(1/2): 144
Anhaeusser, C.R., see Smith, H.S. et al. ..... 70(1/2): 148
Annersten, H.H., *Crystal Chemistry and Refractivity* by H.W. Jaffe (Book Review) ..... 90(1/2): 169
Anschutz, P., Blanc, G., Fritz, B. and Bouleque, J., Characterisation of the physico-chemical conditions during the settling of metalliferous sediments in the Atlantis-II Deep (Red Sea) ..... 84(1/4): 192–193
Aoubouazza, M., see Baudracco, J. and Aoubouazza, M. ..... 84(1/4): 235–237
Aplin, A.C., Curtis, C.D., Macquaker, J.M.S. and Mossmann, J.R., Distribution of Fe and S species in organic-rich sediments from the Peru–Chile margin ..... 70(1/2): 2
Appangoudar, S.M., see Pattan, J.N. and Appangoudar, S.M. ..... 69(3/4): 291–297
Appel, P.W.U., see Richards, J.R. and Appel, P.W.U. ..... *66(3/4): 181–191
Appriou, P., see Bougault, H. et al. ..... 70(1/2): 132
Arad, A., Kafri, U., Halicz, L. and Brenner, I., Genetic identification of the saline origins of groundwaters in Israel by means of minor elements ..... 54(3/4): 251–270
Arai, F., see Yamamoto, K. et al. ..... 55(1/2): 61– 76
Arakawa, Y., Two types of granitic intrusions in the Hida belt, Japan: Sr isotopic and chemical characteristics of the Mesozoic Funatsu granitic rocks ..... 85(1/2): 101–117
Aravena, R., Suzuki, O. and Pollastri, A., Coastal fog and its relation to groundwater in the IV region of northern Chile ..... *79(1): 83– 91
Aravena, R., see Wassenaar, L.I. et al. ..... *87(1): 39– 57
Arden, J.W., see Alexander, C.M.O'D. et al. ..... 70(1/2): 24
Ardouin, B., see Gaudry, A. et al. ..... 70(1/2): 98
Ardouin, B., see Lambert, G. and Ardouin, B. ..... 70(1/2): 100
Ardouin, B., see Le Cloarec, M.F. et al. ..... 70(1/2): 128
Arends, A.R., see Van der Wijk, A. et al. ..... *59(4): 283–292
Ármannsson, H., see Gislason, S.R. et al. ..... 84(1/4): 64– 67
Ármannsson, H., Benjamínsson, J. and Jeffrey, A.W.A., Gas changes in the Krafla geothermal system, Iceland ..... 76(3/4): 175–196
Ármannsson, H., see Darling, W.G. and Ármannsson, H. ..... 76(3/4): 197–213
Armenteros, I., Hervalejo, M.V. and Blanco, J.A., The clayey ensemble and silicifications of the paraevaporitic marginal series of the south east of the Neogene Duero basin: Mineralogy and geochemistry of its evolution ..... 84(1/4): 194–197
Armstrong, R.A., see Barton, E.S. et al. ..... *59(4): 255–271
Arnaud, M., see Bottero, J.-Y. et al. ..... 84(1/4): 308–310
Arndt, J., see Tauber, P. and Arndt, J. ..... 62(1/2): 71– 81
Arndt, N.T. and Jenner, G.A., Crustally contaminated komatiites and basalts from Kambalda, Western Australia ..... 56(3/4): 229–255
Arndt, N.T., Nisbet, E.G. and Cameron, W.G., Geochemistry of extremely fresh komatiites from the Bellingwe Belt, Zimbabwe ..... 70(1/2): 140
Arndt, N.T., see Goldstein, S.L. and Arndt, N.T. ..... 70(1/2): 68
Arndt, N.T., see Dupré, B. and Arndt, N.T. ..... 85(1/2): 35– 56
Arneth, J.D. and Matzigkeit, U., Laboratory-simulated thermal maturation of different types of sediments from the Williston Basin, North America — Effects on the production rates, the isotopic and organo-geochemical composition of various pyrolysis products ..... *58(4): 339–360
Arnold, G.W., see Casey, W.H. et al. ..... 70(1/2): 77
Arnold, G.W., see Casey, W.H. et al. ..... 78(3/4): 205–218

Arnold, G.W., see Casey, W.H. et al. ... 85(1/2): 197
Arnold, M., see Duplessy, J.C. et al. ... 70(1/2): 108
Arnold, P.W., *Advances in Soil Science, Vols. 4 and 5*, by B.A. Stewart (Editor) (Book Review) ... 75(1/2): 146–147
Arnorsson, S., see Gislason, S.R. et al. ... 84(1/4): 64– 67
Arnoux, A., see Fernex, F. et al. ... 98(3/4): 293–306
Aronson, J.L., see Girard, J.P. et al. ... 70(1/2): 184
Arribas, A., see Mangas, J. and Arribas, A. ... 61(1/4): 193–208
Aruscavage, P.J., see Roedder, E. et al. ... 61(1/4): 79– 90
Asada, N., see Kiyosu, Y. et al. ... *94(4): 321–329
Asmerom, Y., Damon, P., Shafiqullah, M., Dickinson, W.R. and Zartman. R.E., Resetting of Rb–Sr ages of volcanic rocks by low-grade burial metmorphism ... *87(3/4): 167–173
Asubiojo, O.I., see Ige, O.A. and Asubiojo, O.I. ... 91(1): 19– 32
Audouze, J., see Zanda, B. and Audouze, J. ... 70(1/2): 27
Augé, T., see Cocherie, A. et al. ... 77(1): 27– 39
Autefage, F., see Soubies, F. et al. ... 84(1/4): 377
Auzende, J.-M., see Grimaud, D. et al. ... 93(3/4): 209–218
Avasia, R.K. and Gwalani, L.G., Lamprophyres within the Deccan Traps of Chhota Udaipur, Gujarat State, India ... 70(1/2): 66
Avigour, A. and Bahat, D., Chemical weathering of fractured Eocene chalks in the Negev, Israel ... 89(1/2): 149–156
Avigour, A., Magaritz, M., Issar, A. and Dodson, M.H., Sr isotope study of vein and cave calcites from southern Israel ... 82(1/2): 69– 81
Ayliffe, L.K. and Veeh, H.H., Uranium-series dating of speleothems and bones from Victoria Cave, Naracoorte, South Australia ... *72(3): 211–234
Ayora, C. and Fontarnau, R., X-ray microanalysis of frozen fluid inclusions ... 89(1/2): 135–148
Ayranci, B., Analysis of the oxydation states of iron in silicate rocks by fusion decomposition ... 70(1/2): 3
Ayuso, R.A., see Doe, B.R. and Ayuso, R.A. ... 70(1/2): 195
Azambre, B., see Rossy, M et al. ... 97(1/2): 33– 46
Azbel, I.Ya. and Tolstikhin, I.N., Sr–Nd and Ar–He isotopic relationships: Comparison, geotectonic implications, and approximation by model computing ... *52(1): 35– 44
Azbel, I.Ya. and Tolstikhin, I.N., Abundance of noble gases in MORB glasses: A key to the early history of thr earth ... 70(1/2): 41

Baadsgaard, H., Rb–Sr and K–Ca isotope systematics in minerals from potassium horizons in the Prairie Evaporite Formation, Saskatchewan, Canada. ... *66(1/2): 1– 15
Baadsgaard, H., see Nutman, A.P. et al. ... 70(1/2): 143
Baas, M., see Ten Haven, H.L. et al. ... 64(1/2): 149–167
Bachelery, B., see Condomines, M. et al. ... 70(1/2): 126
Bacon, M.P. and Suman, D.O., Variations in ocean flux recorded by the Th-230 content of deep-sea sediments ... 70(1/2): 108
Bacuta, Jr., G.C., Kay, R.W. and Rossman, D.L., High chromium and high aluminium chromite deposits in the Zambales ophiolite complex, Luzon, Philippines: origin and tectonic significance ... 70(1/2): 132
Badaut, D., see Decarreau, A. et al. ... 84(1/4): 363–364
Badawy, A.M., *Shale–Slate Metamorphism in Southern Appalachians* by C.E. Weaver and Associates (Book Review) ... 56(1/2): 165
Badejoko, T.A., Triclinicity of K-feldspars and trace-element content of Mesozoic granites in central Nigeria . ... 54(1/2): 43– 51
Badjukov, D.D., see Shukolukov, Yu.A. et al. ... 70(1/2): 121
Bahat, D., see Avigour, A. and Bahat, D. ... 89(1/2): 149–156
Bain, D.C., Mellor, A., Wilson, M.J. and Duthie, D.M.L., Chemical and mineralogical weathering in an upland granitic catchment in Scotland ... 84(1/4): 23– 24
Bajo, C., see Bruno, J. et al. ... 70(1/2): 188
Baker, A.J., Stable isotopic constraints on fluid–rock interactions in the Ivrea Zone, Italy ... 71(4): 365
Baker, A.J. and Fallick, A.E., High $\delta^{13}C$ marbles from Lofoten-Versterålen, Norway and implications for the Precambrian carbon cycle ... 70(1/2): 140
Baker, A.J. and Fallick, A.E., High $\delta^{13}C$ marbles from Lofoten-Vesterålen, Norway and implications for the Precambrian carbon cycle ... 71(4): 366
Baker, A.J. and Fallick, A.E., Evidence of CO_2 infiltration of granulite facies rocks from Lofoten-Vesterålen, Norway ... 71(4): 366
Baker, D.R., Estimation of diffusion coefficients during interdiffusion of geologic melts: Application of transition state theory ... 98(1/2): 11– 21
Baker, P.E., see Cliff, R.A. et al. ... 92(4): 251–260
Bakker, J.F., see Rajendran, A. et al. ... 98(1/2): 111–129

Baksi, A.K., Barman, T.R., Paul, D.K. and Farrar, E., Widespread Early Cretaceous flood basalt volcanism in eastern India: Geochemical data from the Rajmahal–Bengal–Sylhet Traps ..... 63(1/2): 133–141
Balabane, M. and Létolle, R., Inverse overall isotope fractionation effect through distillation of some aromatic molecules (anethole, benzene and toluene) ..... *52(3/4): 391–396
Balabane, M. and Létolle, R., Molecular hydrogen in gas mixtures: a technique for component separation and isotope ratio determination — Application for a CH_4–H_2 mixture (Short Communication) ..... *59(4): 327–331
Balaram, V., see Uday Raj, B. et al. ..... 70(1/2): 146
Balasubramaniam, K.S., Geomodelling of certain bauxite profiles from Kutch, Gujarat state, India ..... 60(1/4): 121–130
Balasubramaniam, K.S., Surendra, M. and Ravi Kumar, T.V., Genesis of certain bauxite profiles from India .. 60(1/4): 227–235
Balesdent, J., see Mariotti, A. and Balesdent, J. ..... 84(1/4): 217–219
Balkanski, Y.J. and Jacob, D.J., General circulation model simulations of radon storms at Subantarctic islands 70(1/2): 94
Ball, P.J. and Gilkes, R.J., The Mount Saddleback bauxite deposit, southwestern Australia ..... 60(1/4): 215–225
Ballantyne, S.B., *The Geochemical Atlas of Alaska* compiled by the Geochemistry Group, Earth and Space Sciences Division, Los Alamos National Laboratory (Book Review) ..... 51(1/2): 156–157
Balzer, W., *Biological Markers in the Sedimentary Record* by R.B. Johns (Editor) (Book Review) ..... 81(1/2): 166
Banakar, V.K. and Borole, D.V., Depth profiles of $^{230}Th_{excess}$, transition metals and mineralogy of ferromanganese crusts of the Central Indian basin and implications for palaeoceanographic influence on crust genesis ..... *94(1): 33– 44
Bancroft, G.M., see Nesbitt, H.W. et al. ..... 55(1/2): 139–160
Bancroft, G.M., see Muir, I.J. et al. ..... 64(3/4): 269–278
Banfield, J.F., see Casey, W.H. et al. ..... 78(3/4): 205–218
Banfield, J.F., see Casey, W.H. et al. ..... 85(1/2): 205–197
Banner, J.L., see Shirey, S.B. et al. ..... *65(2): 183–187
Banno, S., see Goto, A. and Banno, S. ..... 85(3/4): 247–263
Bannon, M., see Turner, G. et al. ..... 70(1/2): 42
Bannon, M.P., see Turner, G. and Bannon, M.P. ..... 70(1/2): 132
Baptiste, P.Jean, see Bougault, H. et al. ..... 70(1/2): 132
Barbey, P., see Pichavant, M. et al. ..... 70(1/2): 88
Barbieri, M., Bellanca, A, Neri, R. and Tolomeo, L., Use of strontium isotopes to determine the sources of hydrothermal fluorite and barite from northwestern Sicily (Italy) ..... *66(3/4): 273–278
Barbieri, M., see Francalanci, L. et al. ..... *73(2): 109–124
Barbieri, M., see Martínez Ruíz, F. et al. ..... 95(3/4): 265–281
Barbosa, J., see Wilson, N. et al. ..... 70(1/2): 146
Bard, E., Hamelin, B. and Fairbanks, R.G., U/Th ages obtained by mass spectrometry in corals from Barbados 84(1/4): 157–158
Bargossi, G.M., see Rottura, A. et al. ..... 92(1/3): 153–176
Bariac, T., see Boulègue, J. et al. ..... 84(1/4): 352–353
Barker, C., see Nwachukwu, J.I. and Barker, C. ..... 51(3/4): 193–198
Barker, D.L., see Jull, A.J.T. et al. ..... *66(1/2): 35– 40
Barker, F., Sutherland Brown, A., Budahn, J.R. and Plafker, G., Back-arc with frontal-arc component origin of Triassic Karmutsen basalt, British Columbia, Canada ..... 75(1/2): 81–102
Barker, J.F., see Wassenaar, L.I. et al. ..... *87(1): 39– 57
Barling, J., Goldstein, S.L., Wheller, G.E. and Nicholls, I.A., Heard Island: An example of large isotopic variations on a small oceanic island ..... 70(1/2): 46
Barman, T.R., see Baksi, A.K. et al. ..... 63(1/2): 133–141
Barnes, C.J., see Herczeg, A.L. et al. ..... 96(1/2): 19– 32
Barnes, H.L. and Gammons, C.H., The hydrothermal kinetics of cristobalite ..... 70(1/2): 76
Barnes, H.L., see Schoonen, M.A.A. and Barnes, H.L. ..... 70(1/2): 81
Barnes, S.-J. and Often, M., Are aluminium-depleted/group II type komatiites formed by contamination rather than by carnet segregation? ..... 70(1/2): 140
Barnes, S.-J., Naldrett, A.J. and Gorton, M.P., The origin of the fractionation of platinum-group elements in terrestrial magmas ..... 53(3/4): 303–323
Baronnet, A. and Rogez, J., TEM indication of amorphous phase separation prior to disilicate nucleation in the $Na_2O{\cdot}SiO_2$ supercooled liquid ..... 62(1/2): 7– 17
Baronnet, A., see Sun, B.N. and Baronnet, A. ..... 70(1/2): 82
Baronnet, A., see Sun, B.N. and Baronnet, A. ..... 78(3/4): 301–314
Barral-Silva, M.T., see Grana-Gomez, M.J. et al. ..... 84(1/4): 68– 69
Barrera, E. and Savin, S.M., Effect of sample preparation on the $\delta^{18}O$-value of fine-grained calcite ..... *66(3/4): 301–305
Barres, O., Burneau,A., Dubessy, J., Pagel, M. and Pironon, J., Application of micro-FTIR spectroscopy to individual fluid inclusion analysis ..... 70(1/2): 178
Barres, O., see Pironon, J. and Barres, O. ..... 84(1/4): 224–226

Barret, T.J. and Friedrichsen, H., Stable isotopic composition of atypical ophiolitic rocks from east Liguria, Italy ... *80(1): 71– 84
Barreto, P.M.C., Tassinari C.C.G., Cordani, L.K. and Costa, C.C., Uranium in granites — An approach for identification of uranium provinces in Brazil: Part I — the São Francisco craton and its marginal belts ... 70(1/2): 191
Barrett, T., see Cullers, R.L. et al. ... 63(3/4): 275–297
Barrett, T.J. and Jarvis, I., Rare-earth element geochemistry of metalliferous sediments from DSDP Leg 92: The East Pacific Rise transect ... 67(3/4): 243–259
Barretto, P.M.C. and Fujimori, K., Natural analogue studies: Geology and mineralogy of Morro do Ferro, Brazil ... 55(3/4): 297–312
Barriga, F.J.A.S. and Fyfe, W.S., Giant pyrite base-metal deposits: the example of Feitais (Aljustrel, Portugal) 69(3/4): 331–343
Barriga, F.J.A.S. and Fyfe, W.S., Giant pyritic base-metal deposits: the example of Feitais (Aljustrel, Portugal) — Reply (Discussion) ... 90(3/4): 349–352
Barron, E.J., see Kump, L.R. et al. ... 84(1/4): 160–161
Barros, J.G., see Fallick, A.E. and Barros, J.G. ... *66(3/4): 293–300
Barry, J.C., see Quade, J. et al. ... *94(3): 183–192
Barsczus, H.G., see Dupuy, C. et al. ... 77(1): 1– 18
Barsukov, V.L., Cosmochemistry and early history of the earth ... 70(1/2): 3
Bartle, K.D., see Wise, S.A. et al. ... 54(3/4): 339–357
Barton, E.S., Armstrong, R.A., Cornell, D.H. and Welke, H.J., Feasibility of total-rock Pb–Pb dating of metamorphosed banded iron formation; the Marydale Group, southern Africa ... *59(4): 255–271
Barton, J.M. and Van Reenen, D.D., The significance of 3000 Ma mafic dykes in the central zone of the Limpopo Belt, southern Africa ... 70(1/2): 141
Barton, Jr., J.M., Van Reenen, D.D., Smit, C.A., Bohlender, F. and Cornell, D., Charnockitization in the southern marginal zone of the Limpopo orogen, southern Africa ... 70(1/2): 140
Barton, M., *Petrogenesis of the Volcanic Rocks of the Karoo Province* by A.J. Erlank (Editor) (Book Review) .. *66(3/4): 335–336
Barton, M., see Sneyers, A. et al. ... 70(1/2): 129
Basharmal, G.M., see Fritz, P. et al. ... *79(2): 99–105
Baskaran, M., Rajagopalan, G. and Somayajulu, B.L.K., $^{230}Th/^{234}U$ and ^{14}C dating of the Quaternary carbonate deposits of Saurashtra, India ... *79(1): 65– 82
Baskaran, M., Rajagopalan, G. and Somayajulu, B.L.K., $^{230}Th/^{234}U$ and ^{14}C dating of Quaternary carbonate deposits of Saurashtra, India — Reply (Discussion) ... *86(2): 183–186
Baskaran, M., see Krishnaswami, S. et al. ... *87(2): 125–136
Baştürk, Ö., see Ergin, M. et al. ... 91(3): 269–285
Basu, A., see Cullers, R.L. et al. ... 70(4): 335–348
Bates, J.K., Steindler, M.J., Tani, B. and Purcell, F.J., The hydration alteration of a commercial nuclear waste glass ... 51(1/2): 79– 87
Bates, N.R. and Brand, U., Environmental and physiological influences on isotopic and elemental compositions of brachiopod shell calcite: Implications for the isotopic evolution of Paleozoic oceans ... *94(1): 67– 78
Batts, B.D., see Rigby, D. and Batts, B.D. ... *58(3): 273–282
Bau, M., Rare-earth element mobility during hydrothermal and metamorphic fluid–rock interaction and the significance of the oxidation state of europium ... 93(3/4): 219–230
Baubron, J-C., see Bonhomme, M.G. et al. ... *65(3/4): 321–339
Baudracco, J. and Aoubouazza, M., Study of the variations in permeability and cationic exchange kinetics during solution changes in clay sandstone ... 84(1/4): 235–237
Baumann, A., see Schleicher, H. et al. ... 93(3/4): 231–243
Baumann, J., Buhmann, D., Dreybrodt, W. and Schulz, H.D., Calcite dissolution kinetics in porous media ... 53(3/4): 219–228
Baumer, A., Ganteaume, M. and Lo, K., Réflexions à propos d'apatites des phosphates sédimentaires. (Examination of apatites from sedimentary phosphates) ... 54(3/4): 311–318
Baur, H., see Eikenberg, J. et al. ... 70(1/2): 36
Bea, F. and Pereira, M.D., The role of H_2O in chemical fractionation by anatexis. Case study: The Almohalla Formation, Central Spain ... 70(1/2): 3
Beakhouse, G.P., McNutt, R.H. and Krogh, T.E., Comparative Rb–Sr and U–Pb zircon geochronology of late- and post-tectonic plutons in the Winnipeg River belt, northwestern Ontario, Canada ... *72(4): 337–351
Beakhouse, G.P., McNutt, R.H. and Krogh, T.E., Comparative Rb–Sr and U–Pb zircon geochronology of late- and post-tectonic plutons in the Winnipeg River belt, northwestern Ontario, Canada — Reply (Discussion) *79(1): 96–97
Beato, B.D., Yost, R.A. and Quirke, J.M.E., Carbon number, pyrrolic structure and sequencing information of porphyrin structure in one experiment by desorption tandem mass spectrometry — relevance for geoporphyrins ... 91(2): 185–192
Beato, B.D., see Concha, M.A. et al. ... 91(2): 153–168
Beato, B.D., see Stanley, K.D. et al. ... 91(2): 169–183

Beaucaire, C., Criaud, A. and Michard, G., Contrôle des concentrations de certains éléments trace (As, Sb, Ge, U, Ra, Ba) dans les eaux du Cézallier (Massif Central, France). (Constraints of concentrations on certain trace elements (As, Sb, Ge, U, Ra, Ba) in waters from Cézallier (Massif Central, France)) ..... 63(1/2): 85– 99
Beauchamp, B., Oldershaw, A.E. and Krouse, H.R., Upper Carboniferous to Upper Permian ^{13}C-enriched primary carbonates in the Sverdrup Basin, Canadian Arctic: Comparisons to coeval western North American ocean margins ..... *65(3/4): 391–413
Beauchemin, D., Micklethwaite, R.K., Van Loon, G.W. and Hay, G.W., Determination of metal–organic associations in soil leachates by inductively coupled plasma–mass spectrometry ..... 95(1/2): 187–198
Beaufort, D., see Parneix, J.C. et al. ..... 51(1/2): 89–101
Beaufort, D., see Dudoignon, P. et al. ..... 76(3/4): 385–401
Beauvais, A., Boeglin, J.-L., Colin, F., Mazaltarim, D. and Muller, J.-C., Geochemical evolution and degeneration of ferricretes under a humid tropical climate in the East of Central African Republic ..... 84(1/4): 25– 26
Beccaluva, L. (Guest-Editor), Preface to Special Issue "Ophiolites and Lithosphere of Marginal Seas" ..... 77(3/4): iii
Beccaluva, L., Macciotta, G., Piccardo, G.B. and Zeda, O., Clinopyroxene composition of ophiolitic basalts as petrogenetic indicator ..... 77(3/4): 165–182
Beccaluva, L., Macciotta, G., Siena, F. and Zeda, O., Harzburgite–lherzolite xenoliths and clinopyroxene megacrysts of alkaline basic lavas from Sardinia (Italy) ..... 77(3/4): 331–345
Bech, J., see Chevalier, Y. and Bech, J. ..... 84(1/4): 36– 37
Bechtel, A. and Püttmann, W., The origin of the Kupferschiefer-type mineralization in the Richelsdorf Hills, Germany, as decuded from stable isotope and organic geochemical studies ..... 91(1): 1– 18
Beck, J.N., see Mahfoud, R.F. and Beck, J.N. ..... 74(3/4): 217–227
Beck, J.W., Berndt, M.E. and Seyfried, Jr., W.E., Application of isotopic doping techniques to evaluation of reaction kinetics and fluid/mineral distribution coefficients: An experimental study of calcite at elevated temperatures and pressures ..... 97(1/2): 125–144
Beck, N. and Münnich, K.O., Freezing of water: isotopic fractionation ..... 70(1/2): 168
Beckett, J.R., see Spivack, A.J. et al. ..... 70(1/2): 155
Beer, J., see Wagenbach, D. et al. ..... 70(1/2): 105
Beer, J., see Mangini, A. et al. ..... 70(1/2): 110
Beer, J., see Henken-Mellies, W.U. et al. ..... 70(1/2): 119
Begemann, F., see Hünemohr, H. and Begemann, F. ..... 70(1/2): 38
Begun, G.M., see Nguyen-Trung, C. et al. ..... 70(1/2): 190
Behr, H.-J. and Gerler, J., Inclusions of sedimentary brines in post-Variscan mineralizations in the Federal Republic of Germany — A study by neutron activation analysis ..... 61(1/4): 65– 77
Behr, H.-J., see Horn, E.E. and Behr, H.-J. ..... 61(1/4): vii
Behr, H.-J., see Schmidt-Mumm, A. et al. ..... 61(1/4): 135–145
Behr, H.J., Horn, E.E., Frentzel-Beyme, K. and Reutel, Chr., Fluid inclusion characteristics of the Variscan and post-Variscan fluids in the Federal Republic of Germany ..... 61(1/4): 273–285
Behrens, H., Na and Ca tracer diffusion in plagioclase glasses and supercooled melts ..... 96(3/4): 267–275
Behrens, H., see Holtz, F. et al. ..... 96(3/4): 289–302
Bein, A., Stable isotopes, iron and phosphorus in a sequence of lacustrine carbonates — paleolimnic implications ..... *59(4): 305–313
Bein, A., see Herut, B. et al. ..... 70(1/2): 196
Belayouni, H., see Tlig, S. et al. ..... 62(3/4): 209–221
Bell, G.D., see Rock, N.M.S. et al. ..... *66(1/2): 163–177
Bell, K., see Richardson, J.M. et al. ..... 70(1/2): 136
Bellanca, A, see Barbieri, M. et al. ..... *66(3/4): 273–278
Bellanca, A., De Vivo, B., Lattanzi, P., Maiorani, A. and Neri, R., Fluid inclusions in fluorite mineralizations of northwestern Sicily, Italy ..... 61(1/4): 209–216
Bellieni, G., Gavazzini, G., Fioretti, A.M., Peccerillo, A. and Poli, G., Geochemical and isotopic evidence for crystal fractionation, AFC and crustal anatexis in the genesis of the Rensen Plutonic Complex (Eastern Alps, Italy) ..... 92(1/3): 21– 43
Bellieni, G., Macedo, M.H.F., Petrini, R., Piccirillo, E.M., Cavazzini, G., Comin-Chiaramonti, P., Ernesto, M., Macedo, J.W.P., Martins, G., Melfi, A.J., Pacca, I.G. and De Min, A., Evidence of magmatic activity related to Middle Jurassic and Lower Cretaceous rifting from northeastern Brazil (Ceará–Mirim): K/Ar age, palaeomagnetism, petrology and Sr–Nd isotope characteristics ..... 97(1/2): 9– 32
Bellieni, G., see Piccirillo, E.M. et al. ..... 75(1/2): 103–122
Bellieni, G., see Piccirillo, E.M. et al. ..... 89(1/2): 19– 48
Bellon, H., Fabre, A., Sichler, B. and Bonhomme, M.G., Contribution to the numerical calibration of the Bajocian–Bathonian boundary: ^{40}K–^{40}Ar and paleomagnetic data from Les Vignes basaltic complex (Massif Central, France) ..... *59(2/3): 155–161
Belton, P., see Eaton, A.N. et al. ..... 70(1/2): 174

Belviso, S., see Mihalopoulos, N. et al. ..... 70(1/2): 102
Belzile, N. and Lebel, J., Capture of arsenic by pyrite in near-shore marine sediments ..... 54(3/4): 279–281
Belzile, N. and Lebel.J., Selenium profiles in the sediments of the Laurentian Trough (northwest North Atlantic) ..... 68(1/2): 99–103
Bénaïm, J., see Fernex, F. et al. ..... 98(3/4): 293–306
Bender, M.L., see Morse, J.W. and Bender, M.L. ..... 82(3/4): 265–277
Benedetti, M., Boulègue, J., Hieronymus, B., Kotschoubey, B. and Pinto Da Selva, E., Present behaviour of gold in lateritic environment, Salobo (State of Para, Brazil) ..... 84(1/4): 27– 30
Benedetti, M., Bouleque, J. and Verhague, I., Transfer and deposition of gold in the Congo watershed ..... 84(1/4): 162–163
Benedetti, M., see Hieronymus, B. et al. ..... 84(1/4): 74– 77
Benjamin, T.M., Gancarz, A.J., see Loss, R.D. et al. ..... 76(1/2): 71– 84
Benjamínsson, J., see Ármannsson, H. et al. ..... 76(3/4): 175–196
Benmore, R.A., see McArthur, J.M. et al. ..... *65(3/4): 415–425
Benmoussa, L., Amossé, J., Giraud, P. and Oliver, R., A geochemical study of the concentration process of tungsten and tin in the "Taourirts" granites of Central Ahaggar, Algeria ..... 63(1/2): 121–132
Benner, I., *Inductively Coupled Plasma — Atomic Emission Spectrometry — An Atlas of Spectral Information* by R.K. Winge, V.A. Fassel, V.J. Peterson aand M.A. Floyd (Book Review) ..... 63(3/4): 356–357
Ben Othman, D., Birck, J.-L. and Allègre, C.J., Determination of $^{226/228}$Ra and Ra concentration by mass spectrometry ..... 70(1/2): 172
Ben Othman, D., see Watson, E.B. et al. ..... 62(3/4): 191–208
Ben Othman, D., see Chabaux, E. et al. ..... 70(1/2): 125
Beny, Cl., see Guillot, C. et al. ..... 70(1/2): 163
Berezin, A.A., Isotopic ordering and isotopic correlations as a possible new tool for geosciences (Short Communication) ..... *72(2): 197–198
Bergametti, G., Martin, D., Dulac, F. and Buat-Menard, P., Assessment of air flow patterns of trace element transfer from the continents to the ocean ..... 70(1/2): 94
Bergametti, G., see Buat-Menard, P. et al. ..... 70(1/2): 194
Berger, A., see Marsiat, I. et al. ..... 71(4): 368
Berger, G., Schott, J., Petit, J.C. and Dran, J.C., Hydrothermal alteration of quartz: New insight based on hydrogen depth-profiling with a resonant nuclear reaction ..... 70(1/2): 76
Berger, G., Schott, J. and Guy, Chr., Behavior of Li, Rb and Cs during basalt glass and olivine dissolution and chlorite, smectite and zeolite precipitation from seawater: Experimental investigations and modelization between 50° and 300°C ..... 71(4): 297–312
Berger, G., see Turpault, M.P. et al. ..... 70(1/2): 165
Berger, G.W., Burke, R.M., Carver, G.A. and Easterbrook, D.J., Test of thermoluminescence dating with coastal sediments from northern California ..... *87(1): 21– 37
Bergeron, M. and Heaman, L.M., Determining the abundance of gadolinium in geological samples by prompt-gamma neutron activation analysis ..... 54(3/4): 333–337
Bergman, C., see Chastel, R. et al. ..... 62(1/2): 19– 29
Bergman, C., see Rogez, J. et al. ..... 70(1/2): 89
Bernard, E., see Silvi, B. and Bernard, E. ..... 62(1/2): 125–130
Bernard-Griffiths, J. and Cornichet, J., Origin of eclogites from south Brittany, France: A Sm–Nd isotopic and REE study ..... *52(2): 185–201
Bernard-Griffiths, J., Peucat, J.-J., Cornichet, J., Iglesias Ponce de Léon, M. and Gil Ibarguchi, J.I., U–Pb, Nd isotope and REE geochemistry in eclogites from the Cabo Ortegal Complex, Galicia, Spain: An example of REE immobility conserving MORB-like patterns during high-grade metamorphism ..... *52(2): 217–225
Bernard-Griffiths, J., see Paquette, J.L. et al. ..... *52(2): 203–216
Bernat, M., Buscail, A., Monaco, A., Got, A. and Chassefière, B., Concentrations en uranium et déséquilibres radioactifs Io–U en Méditerranée orientale — Discussion sur l'origine des sapropèles (Uranium concentrations and Io–U radioactive disequilibrium in the sediments from the East Mediterranean Sea — Origin of the sapropels ..... 75(4): 329–337
Bernat, M., Bokilo, J.-E., Yiou, F., Raisbeck, G.M. and Muller, J.-P., ^{10}Be and natural isotopes of U and Th in a laterite cover from Cameroon ..... 84(1/4): 347–349
Bernat, M., see Lo Bello, Ph. et al. ..... *66(1/2): 61– 71
Bernat, M., see Bokilo, J.F. et al. ..... 70(1/2): 124
Bernat, M., see Sharma, P. et al. ..... *73(4): 279–288
Bernat, M., see Noack, Y. et al. ..... 84(1/4): 111–113
Bernat, M., see Sarazin, G. et al. ..... 98(3/4): 307–316
Bernatowicz, T.J., see Broadhurst, C.L. et al. ..... 70(1/2): 36
Berndt, M.E., see Beck, J.W. et al. ..... 97(1/2): 125–144
Berner, R.A., Global biochemical cycles of carbon and sulfur and atmospheric O_2 over Phanerozoic time ... 84(1/4): 159

Berner, R.A. and Canfield, D.E., Sedimentation as a major control on the level of atmospheric oxygen ..... 70(1/2): 114
Berner, R.A., see Canfield, D.E. et al. ..... 54(1/2): 149–155
Berner, R.A., see Van Cappellen, Ph. and Berner, R.A. ..... 70(1/2): 82
Berner, R.A., see Ingall, E.D. et al. ..... 84(1/4): 220–223
Berner, R.A., see Van Cappellen, P. and Berner, R.A. ..... 84(1/4): 331–333
Berner, R.A., see Lyons, T.W. and Berner, R.A. ..... 99(1/3): 1– 27
Berner, U., Faber, E. and Stahl, W., Mathematical simulation of the carbon isotopic fractionation between huminitic coals and related methane ..... *94(4): 315–319
Berry, R.F. and McDougall, I., Interpretation of $^{40}Ar/^{39}Ar$ and K/Ar dating evidence from the Aileu Formation, East Timor, Indonesia ..... *59(1): 43– 58
Bertrand, P., see Forbes, P. et al. ..... 71(4): 267–282
Besnus, Y., see Mosser, C. et al. ..... 90(3/4): 319–342
Besoain Monasterio, E., *Clay Minerals — A Physico-chemical Explanation of Their Occurrence* by B. Velde (Book Review) ..... 62(3/4): 331–332
Besse, J., see Courtillot, Y. et al. ..... 70(1/2): 118
Besson, J.M., Weill, G., Itie, J.P., Boehler, R., Nicol, M., Johnson, S., Nielsen, M. and Grey, F., X-ray diffraction at high temperature and pressures: Density of f.c.c.γ-Fe to 42 GPa and 2300 K ..... 70(1/2): 60
Beveridge, T.J., see Mann, H. et al. ..... 63(1/2): 39– 43
Beveridge, T.J., see Ferris, F.G. et al. ..... 63(3/4): 225–232
Bevier, M.L., see Hegner, E. and Bevier, M.L. ..... 91(4): 357–371
Béziat, D., Joron, J.L., Monchoux, P., Treuil, M. and Walgenwitz, F., Geodynamic implications of geochemical data for the Pyrenean ophites (Spain–France) ..... 89(3/4): 243–262
Bezvodová, B., Ferreto soils at the southeastern margin of the Bohemian Massif — A mineralogical and geochemical characterization and its application in stratigraphy ..... 60(1/4): 331–335
Bhandari, N., Shukla, P.N. and Pandey, J., K/T boundary in Meghalaya and Nagpur, India ..... 70(1/2): 118
Bhaskara Rao, A., Lateritised gravel bed: A new guide horizon for lateritic gold? ..... 60(1/4): 287–291
Bhaskara Rao, A., Guide horizons for gold mineralisation in lateritic crusts ..... 60(1/4): 293–298
Bhavana, P.R., see Raymahashay, B.C. et al. ..... 60(1/4): 327–330
Bhosale, U. and Sahu, K.C., Heavy metal pollution around the island city of Bombay, India. Part II: distribution of heavy metal between water, suspended particles and sediments in a polluted aquatic regime ..... 90(3/4): 285–305
Bhosale, U., see Sahu, K.C. and Bhosale, U. ..... 90(3/4): 263–283
Bhosle, N.B. and Dhople, V.M., Distribution of some biochemical compounds in the sediments of the Bay of Bengal ..... 67(3/4): 341–352
Bhushan, R., see Krishnaswami, S. et al. ..... *87(2): 125–136
Bibikova, E.V., Williams, I. and Compston, W., Ion microprobe analysis of zircons in recognition of the early history of the earth (early Archean on the USSR territory) ..... 70(1/2): 141
Bickle, M.J., see McNaughton, N.J. and Bickle, M.J. ..... *66(3/4): 193–208
Bienvenu, P., Bougault, H., Joron, J.L. and Dmitriev, L., Rare earth and non rare earth magmaphile elements: fractionation during MORB alteration ..... 70(1/2): 152
Bienvenu, P., Joron, J.L. and Bougault, H., Rare earth and non rare earth magmaphile elements: fractionation in the oceanic sedimentary system. Implications for global recycling ..... 70(1/2): 152
Bienvenu, P., Bougault, H., Joron, J.L., Treuil, M. and Dmitriev, L., MORB alteration: Rare-earth element/non-rare-earth hygromagmaphile element fractionation ..... 82(1/2): 1– 14
Bierman, P.R. and Kuehner, S.M., Accurate and precise measurement of rock varnish chemistry using SEM/EDS ..... 95(3/4): 283–297
Biggar, G.M., Protoenstatite compositions from 1 bar to 5 kb ..... 70(1/2): 3
Bigot, M., Saliot, A., Cui, X. and Li, J., Organic geochemistry of surface sediments from the Huanghe estuary and adjacent Bohai Sea (China) ..... 75(4): 339–350
Biksham, G. and Subramanian, V., Elemental composition of Godavari sediments (central and southern Indian subcontinent) ..... 70(3): 275–286
Billström, K., A model for the lead isotope evolution of Early Proterozoic Svecofennian sulphide ores in Sweden and Finland ..... *79(4): 307–316
Billström, K., see Öhlander, B. et al. ..... 78(2): 135–150
Biloleau, A., Charlou, J.L. and Bougault, H., Hydrothermal tracers: As and As/Fe in sediments ..... 70(1/2): 132
Bilong, P., see Trolard, F. et al. ..... 84(1/4): 294–297
Bin, Zhao, Tianbao, Bai, Dongshan, Yi, Meiqi, Yang and Jinsong, Zhao, Experimental studies on the distribution of ore-forming elements between silicate melts and fluids ..... 70(1/2): 166
Binz, P., see Labeyrie, L.D. et al. ..... 70(1/2): 185
Birch, G., see McArthur, J.M. et al. ..... *65(3/4): 415–425
Birck, J.-L., see Ben Othman, D. et al. ..... 70(1/2): 172
Birck, J.-L., see Nakamura, E. et al. ..... *94(3): 193–204

Birck, J.L., Precision K–Rb–Sr isotopic analysis: Application to Rb–Sr chronology ..... 56(1/2): 73– 83
Birck, J.L. and Lugmair, G.W., The evidence for nickel isotopic anomalies in Allende refractory inclusions .. 70(1/2): 24
Bird, G., Boon, J. and Stone, T., Silica transport during steam injection into oil sands, 1. Dissolution and precipitation kinetics of quartz: New results and review of existing data ..... 54(1/2): 69– 80
Bird, G.W., see Gunter, W.D. and Bird, G.W. ..... 70(4): 301–311
Bird, M.I. and Chivas, A.R., Stable-isotope evidence for low-temperature kaolinitic weathering and post-formational hydrogen-isotope exchange in Permian kaolinites ..... *72(3): 249–265
Bird, M.I., Chivas, A.R. and McDougall, I., An isotopic study of surficial alunite in Australia, 2. Potassium–argon geochronology ..... *80(2): 133–145
Birks, H.J.B., *Milankovitch and Climate, Parts I and II* by A. Berger, J. Imbrie, J. Hays, G. Kukla and B. Saltzman (Editors) (Book Review) ..... 55(1/2): 161–162
Biscaye, P.E., see Grousset, F.E. et al. ..... 70(1/2): 196
Bishop, J.K.B., see Cotne, M.H. and Bishop, J.K.B. ..... 70(1/2): 114
Bishop, P.K., Precipitation of dissolved carbonate species from natural waters for $\delta^{13}C$ analysis — A critical appraisal ..... *80(3): 251–259
Björnsson, J., Opening address — Fifth International Symposium on Water–Rock Interaction ..... 76(3/4): v
Bjorøy, M., Hall, K., Hall, P.B., Leplat, P. and Løberg, R., Biomarker analysis of oils and source rocks using a thermal extraction — GC–MS ..... 93(1/2): 1– 11
Bjorøy, M., Hall, K., Gillyon, P. and Jumeau, J., Carbon isotope variations in *n*-alkanes and isoprenoids of whole oils ..... 93(1/2): 13– 20
Black, L.P., Recent Pb loss in zircon: a natural or laboratory-induced phenomenon? ..... *65(1): 25– 33
Black, L.P., see McCulloch, M.T. et al. ..... 70(1/2): 71
Black, L.P., see Sheraton, J.W. et al. ..... 85(3/4): 215–246
Black, L.P., see Sheraton, J.W. et al. ..... 97(3/4): 163–198
Blais, S., see Tourpin, S. et al. ..... 90(1/2): 15– 29
Blake, G., see Gaillard, J-F. et al. ..... 63(1/2): 73– 84
Blamart, D., Pichavant, M. and Sheppard, S.M.F., D/H isotopic fractionation between tourmaline and water: the experimental calibration of tourmaline–mineral geothermometers at 500° to 700°C ..... 70(1/2): 182
Blanc, G., Dupré, B., Boulègue, J. and Allègre, C.J., Origin of metaliferous sediments from Atlantis II Deep (Red Sea) ..... 70(1/2): 133
Blanc, G., see Anschutz, P. et al. ..... 84(1/4): 192–193
Blanc, G., see Decarreau, A. et al. ..... 84(1/4): 363–364
Blanco, J.A., see Armenteros, I. et al. ..... 84(1/4): 194–197
Blanco-Sanchez, J.-A., see Fernandez-Macarro, B. and Blanco-Sanchez, J.-A. ..... 84(1/4): 54– 57
Blank, W.K., see Otto, J.B. et al. ..... *72(2): 173–179
Blattner, P. and Lassey, K.R., Rate controlled advective infiltration and the decoupling of isotope exchange fronts ..... 70(1/2): 76
Blattner, P. and Lassey, K.R., Stable-isotope exchange fronts, Damköhler numbers, and fluid to rock ratios .. 78(3/4): 381–392
Blenkinsop, J., see Richardson, J.M. et al. ..... 70(1/2): 136
Blommaert, W., see Bosch, B. et al. ..... 55(1/2): 31– 44
Blomqvist, R., see Sherwood, B. et al. ..... 70(1/2): 40
Blomqvist, R., see Smalley, P.C. and Blomqvist, R. ..... 70(1/2): 165
Blomqvist, R.G., Lahermo, P.W., Halonen, S., Frape, S.K. and Ilmasti, M., Brines in the Precambrian crystalline bedrock of Finland ..... 70(1/2): 158
Bloom, M.A., see Hajash, A. and Bloom, M.A. ..... 89(3/4): 359–377
Bloomfield, P., see Rowland, F.S. et al. ..... 70(1/2): 104
Bluth, G.J.S. Schultz, P.A., see Kump, L.R. et al. ..... 84(1/4): 160–161
Boclet, D., see Rocchia, R. et al. ..... 70(1/2): 120
Boclet, D., see Turpin, L. et al. ..... 70(1/2): 121
Bodan, Y.E., The time sequences of the tectonic, metamorphic and magmatic processes and mineralizations in north Shaoqin City, Guangdong ..... 70(1/2): 138
Bodinier, J.-L., see Merlet, C. and Bodinier, J.-L. ..... 83(1/2): 55– 69
Bodinier, J.L., Dupuy, C. and Vernieres, J., Behaviour of trace elements during upper mantle metasomatism: evidences from the Lherz Massif ..... 70(1/2): 152
Bodinier, J.L., see Merlet, C. and Bodinier, J.L. ..... 70(1/2): 172
Boeglin, J.-L., see Beauvais, A. et al. ..... 84(1/4): 25– 26
Boeglin, J.-L., see Roquin, C. et al. ..... 84(1/4): 124–127
Boehler, R., Synchrotron measurements at high *P* and *T* ..... 70(1/2): 60
Boehler, R., see Besson, J.M. et al. ..... 70(1/2): 60
Boespflug, X., see Dosso, L. et al. ..... 70(1/2): 47
Boger, J.L., see Boger, P.D. et al. ..... *65(1): 35– 44

Boger, P.D., Boger, J.L., Jones, L.M. and Faure, G., Effect of chemical weathering on the Rb–Sr date of feldspar in Neogene till, Mount Fleming, South Victoria Land, Antacrtica ..... *65(1): 35– 44
Bogoch, R., Magaritz, M. and Michard, A., Dolomite of possible mantle origin, southeast Sinai ..... 56(3/4): 281–288
Bogoyavlenskaya, G.E., see Fedotov, S.A. et al. ..... 70(1/2): 73
Bohlender, F., see Barton, Jr., J.M. et al. ..... 70(1/2): 140
Bohlke, J.K., see Abrajano, T.A. et al. ..... 71(1/3): 211–222
Bohn, O., see Buttkewitz, A. et al. ..... 70(1/2): 176
Boivin, P., see Soulard, H. et al. ..... 96(3/4): 459–477
Bojkov, R., see Rowland, F.S. et al. ..... 70(1/2): 104
Bokilo, J.-E., see Bernat, M. et al. ..... 84(1/4): 347–349
Bokilo, J.F., Bernat, M. and Muller, J.P., Short living isotopes disequilibria in mineral phases of a laterite weathered profiles ..... 70(1/2): 124
Boles, J.R., see Fisher, J.B. and Boles, J.R. ..... 82(1/2): 83–101
Bolton, B.R., see Pracejus, B. et al. ..... 88(1/2): 143–149
Bølviken, B., see Sæther, O.M. et al. ..... 69(3/4): 309–319
Bonani, G., see Bösinger, R. et al. ..... 70(1/2): 96
Bonani, G., see Mangini, A. et al. ..... 70(1/2): 110
Bonhomme, M.G., Type of sampling and comparison between K–Ar and Rb–Sr isotopic dating of fine fractions from sediments in attempt to date young diagenetic events ..... *65(3/4): 209–222
Bonhomme, M.G., Baubron, J-C. and Jebrak, M., Minéralogie, géochimie, terres rares et âge K–Ar des argiles associées aux minéralisations filoniennes. (Mineralogy, geochemistry, rare-earths and K–Ar age of clays associated with vein-type mineralizations.) ..... *65(3/4): 321–339
Bonhomme, M.G., see Bellon, H. et al. ..... *59(2/3): 155–161
Boni, M., Iannace, A. and Pierre, C., Stable-isotope compositions of lower Cambrian Pb–Zn–Ba deposits and their host carbonates, southwestern Sardinia, Italy ..... *72(3): 267–282
Bonin, B., see Nardi, L.V.S. and Bonin, B. ..... 92(1/3): 197–211
Bonjour, J.-L. and Dabard, M.-P., Ti/Nb ratios of clastic terrigenous sediments used as an indicator of provenance ..... 91(3): 257–267
Bonjour, J.L., Peucat, J.J., Chauvel, J.J., Paris, F. and Cornichet, J., U–Pb zircon dating of the Early Paleozoic (Arenigian) transgression in western Brittany (France): A new constraint for the Lower Paleozoic time-scale ..... *72(4): 329–336
Bonnett, R., Czechowski, F. and Hughes, P., Porphyrin analysis and coal rank — Porphyrin Index of Coalification for bituminous coals ..... 91(2): 193–206
Bonnot-Courtois, C. and Flicoteaux, R., Distribution of rare-earth and some trace elements in Tertiary phosphorites from the Senegal Basin and their weathering products ..... 75(4): 311–238
Bonnot-Courtois, C., see Flicoteaux, R. et al. ..... 84(1/4): 365–367
Bonsang, B., Variability of strengths and compositions of NMHC emissions, application to long range transport study ..... 70(1/2): 94
Bonsang, B., Kanakidou, M., Lambert, G., Le Roulley, J.C., Martin, D. and Sennequier, G., Sources and sinks of NMHC deduced from their vertical distributions: Application to OH radicals concentrations ..... 70(1/2): 95
Bonte, Ph., see Rocchia, R. et al. ..... 70(1/2): 120
Boon, J., see Bird, G. et al. ..... 54(1/2): 69– 80
Borchardt, G., see Kieffer, J. and Borchardt, G. ..... 62(1/2): 93–101
Born, M., Dörr, H., Levin, L. and Münnich, K.O., Methane concentration in aerated soils in West-Germany . 70(1/2): 101
Borole, D.V., see Banakar, V.K. and Borole, D.V. ..... *94(1): 33– 44
Borsier, M., Automated analysis of geological materials: What, how and why? ..... 95(1/2): 93– 98
Borst, W.L., see Landis, C.R. et al. ..... 93(1/2): 111–128
Bosch, B., Leleu, M., Oustrière, P., Sarcia, C., Sureau, J-F., Blommaert, W., Gijbels, R., Sadurski, A., Vandelannoote, R., Van Grieken, R. and Van 't Dack, L., Hydrogeochemistry in the zinc–lead mining district of "Les Malines" (Gard, France) ..... 55(1/2): 31– 44
Bösinger, R., Bonani, G., Grabitz, D., Junghans, C., Levin, I., Münnich, K.O., Suter, M., Wahlen, M. and Wölfi, W., Carbon isotopes in atmospheric methane at European sites ..... 70(1/2): 96
Boski, T. and Herbosch, A., Trace elements and their relation to the mineral phases in the lateritic bauxites from southeast Guinea Bissau ..... 82(3/4): 279–297
Boslough, M., see Holdren, Jr., G.R. et al. ..... 70(1/2): 79
Boslough, M.B., see Cygan, R.T. et al. ..... 78(3/4): 229–244
Boström, K., see Pontér, C. et al. ..... 81(1/2): 121–131
Botoman, G., see Faure, G. and Botoman, G. ..... *59(4): 335–336
Bottazzi, P., see Vannucci, R. et al. ..... 92(1/3): 115–133
Bottero, J.-Y., Tchoubar, D., Quienne, P. and Arnaud, M., Partial hydrolysis of ferric chloride salt. Structural investigation by photon correlation spectroscopy and small-angle X-ray scattering ..... 84(1/4): 308–310
Bottero, J.-Y., see Thomas, F. et al. ..... 84(1/4): 227–230

Bottinga, Y., *Avant Propos* to Special Issue "International Congress of Geochemistry and Cosmochemistry" (European Association for Geochemistry) ... 70(1/2): vii
Bottinga, Y. and Mathieu, J.-C. (Guest-Editors), Introduction to Special Issue "Liquid Silicates" ... 62(1/2): vii
Bottinga, Y. and Javoy, M., Nucleation and growth of CO_2 bubbles in MORB ... 70(1/2): 36
Bottinga, Y. and Javoy, M., ^{17}O and ^{18}O exchange between water and quartz ... 70(1/2): 182
Bottinga, Y. and Javoy, M., MORB degassing: Bubble growth and ascent ... 81(4): 255–270
Bottinga, Y., Dingwell, D.B. and Richet, P. (Guest-Editors), Preface to Special Issue "Silicate Melts" ... 96(3/4): ii–iii
Bottrell, S.H., see Moncaster, S.J. and Bottrell, S.H. ... *94(1): 79– 82
Botz, R., Stoffers, P., Faber, E. and Tietze, K., Isotope geochemistry of carbonate sediments from Lake Kivu (East-Central Africa) ... 69(3/4): 299–308
Boucher, R.J., see Standen, G. et al. ... 91(4): 297–313
Bouchez, T., see Condomines, M. et al. ... 70(1/2): 126
Boudeulle, M., see Muller, J.-P. and Boudeulle, M. ... 84(1/4): 314–315
Bougault, H., *Advances in X-ray Analysis, Vol. 29* by C.S. Barett, J.B. Cohen, J. Faber, Jr., R. Jenkins, D.E. Leyden, J.C. Russ and P.K. Predecki (Editors) (Book Review) ... 64(3/4): 357
Bougault, H., Charlou, J.L., Appriou, P., Baptiste, P. Jean, Fouquet, Y. and Needham, H.D., Hydrothermal tracers: submarine hydrothermal activity and ridge axis structure ... 70(1/2): 132
Bougault, H., see Dosso, L. et al. ... 70(1/2): 47
Bougault, H., see Biloleau, A. et al. ... 70(1/2): 132
Bougault, H., see Bienvenu, P. et al. ... 70(1/2): 152
Bougault, H., see Bienvenu, P. et al. ... 70(1/2): 152
Bougault, H., see Bienvenu, P. et al. ... 82(1/2): 1– 14
Boulange, B., Carvalho, A. and Melfi, A., Geochemical characteristics of African and Brazilian bauxites deposits: SiO_2–Al_2O_3–Fe_2O_3 system and Ti, Cr, V and Fe_2O_3 relations ... 84(1/4): 30– 32
Boulange, B., Muller, J.-P. and Sigolo, J.B., Behaviour of the rare-earth elements in a lateritic bauxite from syenite (Brazil) ... 84(1/4): 350–351
Boulègue, J., Bariac, T., Mariotti, A. and De Kersabiec, A.-M., Hyperfiltration-osmosis effects in compacting sediments: isotopic and chemical changes in pore waters ... 84(1/4): 352–353
Boulègue, J., see Benedetti, M. et al. ... 84(1/4): 27– 30
Boulègue, J., see Blanc, G. et al. ... 70(1/2): 133
Bouleque, J., see Hieronymus, B. et al. ... 84(1/4): 74– 77
Bouleque, J., see Hieronymus, B. et al. ... 84(1/4): 78– 82
Bouleque, J., see Benedetti, M. et al. ... 84(1/4): 162–163
Bouleque, J., see Anschutz, P. et al. ... 84(1/4): 192–193
Bouquillon, A., see France-Lanord, C. et al. ... 84(1/4): 368–370
Bourles, D., Raisbeck, G.M. and Yiou, F., Dating marine sediments with $^{10}Be/^{9}Be$ ... 70(1/2): 111
Bourles, D., see Zhiou, S.Z. et al. ... 70(1/2): 111
Bourles, D., see Raisbeck, G.M. et al. ... 70(1/2): 120
Bourles, D., see Yiou, F. et al. ... 70(1/2): 178
Bourman, R.P., see Milnes, A.R. et al. ... 60(1/4): 237–250
Bourrié, G., Grimaldi, C. and Régeard, A., Monomeric versus mixed monomeric–polymeric models for aqueous aluminium species: Constraints from low-temperature natural waters in equilibrium with gibbsite under temperate and tropical climate ... 76(3/4): 403–417
Boust, D., Rare earth elements in interstitial waters of oxic to suboxic abyssal sediments ... 70(1/2): 194
Boust, D. and Grousset, F., The persistence of rare-earth element fingerprints through sedimentological processes in North Atlantic ... 71(4): 366
Boust, D., Carpenter, M.S.N. and Joron, J.L., Investigation of authigenic and diagenetic processes by chemical leaching of pelagic sediments from the Cape Verde abyssal plain ... 68(1/2): 69– 87
Boven, A., see Pasteels, P. et al. ... 57(1/2): 145–154
Bowden, P., see Dickin, A.P. et al. ... *94(1): 23– 32
Bowles, J.F.W., Age dating of individual grains of uraninite in rocks from electron microprobe analyses ... 83(1/2): 47– 53
Bowles, J.F.W., see Potts, P.J. et al. ... 83(1/2): vi
Bowman, J.R., see Cerling, T.E. et al. ... *52(3/4): 281–293
Bowser, C.J. and Jones, B.F., Geochemical constraints on groundwaters dominated by silicate hydrolysis: an interactive spreadsheet, mass balance approach ... 84(1/4): 33– 35
Boyadjieva, R., see Yanev, Y. et al. ... 71(4): 370
Boyce, A.J., Fallick, A.E., Hamilton, P.J. and Elorza, J., Diagenesis of celestite in quartz geodes from the Basque–Cantabric Basin, Northern Spain: Evidence from sulphur and strontium isotopes ... 84(1/4): 354–356
Boyce, A.J., see Hall, A.J. et al. ... *65(3/4): 305–310
Boyce, A.J., see McArthur, J.M. et al. ... *65(3/4): 415–425
Boyce, A.J., see Hall, A.J. et al. ... *87(2): 99–114

Boyd, S.R. and Pillinger, C.T., Carbon and nitrogen isotopes in the mantle ..... 70(1/2): 46
Boyle, E., see Van Geen, A. and Boyle, E. ..... 70(1/2): 179
Boyle, E., see Van Geen, A. and Boyle, E. ..... 70(1/2): 199
Boyle, E.A., Response of the ocean to anthropogenic lead, 1980–1986 ..... 70(1/2): 4
Boyle, E.A., Glacial/interglacial deep ocean circulation contrast ..... 70(1/2): 108
Boyle, E.A., see Shen, G.T. and Boyle, E.A. ..... 67(1/2): 47– 62
Boyle, E.A., see Lea, D.W. and Boyle, E.A. ..... 70(1/2): 110
Boyle, E.A., see Hamelin, B. et al. ..... 71(4): 367
Boyton, W.V., Refractory trace element abundances as indicators of solar system formation processes ..... 70(1/2): 30
Boztuğ, D., Geochemistry and outward solidification of some zoned plutons from the Kastamonu granitoid belt of Northern Turkey ..... 70(1/2): 66
Bradley, J.P., Brownlee, D.E., Germani, M.S. and Dietz, N., Analytical electron microscopy of interplanetary dust particles (IDP's) ..... 70(1/2): 30
Brady, P.V. and Walther, J.V., Kinetics of quartz dissolution at low temperatures ..... 82(3/4): 253–264
Brand, E., see Brand, U. et al. ..... *65(2): 137–145
Brand, N., see Brand, U. et al. ..... *65(2): 137–145
Brand U., Introduction to the Special Session "Use of Stable Isotopes in Solving Depositional and Diagenetic Problems" ..... *65(2): 93
Brand, U., Depositional analysis of the Breathitt Formation's marine horizons, Kentucky, U.S.A.: Trace elements and stable isotopes ..... *65(2): 117–136
Brand, U., Morrison, J.O., Brand, N. and Brand, E., Isotopic variation in the shells of Recent marine invertebrates from the Canadian Pacific coast ..... *65(2): 137–145
Brand, U., see Morrison, J.O. and Brand, U. ..... *72(3): 235–248
Brand, U., see Wassenaar, L.I. et al. ..... *73(3): 221–231
Brand, U., see McAllister, J.E. and Brand, U. ..... 78(1): 51– 63
Brand, U., see Bates, N.R. and Brand, U. ..... *94(1): 67– 78
Brandeis, G., see Jaupart, C. and Brandeis, G. ..... 70(1/2): 87
Branthaver, J.F., see R.H. Filby and Branthaver, J.F. ..... 91(2): iii
Branthaver, J.F., see Manning, L.K. et al. ..... 91(2): 125–138
Brantley, S.L. and Donovan, B., Marine evaporites, bittern seepage, and the genesis of subsurface brines ..... 84(1/4): 187–189
Brassard, P., see Kramer, J.R. et al. ..... 84(1/4): 166–168
Brassell, S., see Parnell, J. et al. ..... 90(1/2): 1– 14
Brassell, S.C., see Marlowe, I.T. et al. ..... 88(3/4): 349–375
Brassell, S.C., see Zeng, Y.B. et al. ..... 95(3/4): 327–345
Brassell, S.C., see Zeng, Y.B. et al. ..... 95(3/4): 347–360
Brault, M., see Simoneit, B.R.T. et al. ..... 71(1/3): 169–182
Braun, J.-J. and Pagel, M., U, Th and REE in the Akongo lateritic profile (SW Cameroon) ..... 84(1/4): 357–359
Brearley, M., see Dingwell, D.B. et al. ..... 70(1/2): 86
Breit, G.N. and Wanty, R.B., Vanadium accumulation in carbonaceous rocks: A review of geochemical controls during deposition and diagenesis ..... 91(2): 83– 97
Breit, G.N., Simmons, E.C. and Goldhaber, M.B., Dissolution of barite for the analysis of strontium isotopes and other chemical and isotopic variations using aqueous sodium carbonate ..... *52(3/4): 333–336
Breit, G.N., see Meunier, J.D. and Breit, G.N. ..... 70(1/2): 186
Breitkopf, O., see Wolf, M. et al. ..... 76(3/4): 291–301
Bremond, M.P., see Cachier, H. et al. ..... 70(1/2): 96
Brenner, I., see Arad, A. et al. ..... 54(3/4): 251–270
Brenninkmeijer, C.A.M. and Morrison, P.D., An automated system for isotopic equilibration of CO_2 and H_2O for ^{18}O analysis of water ..... *66(1/2): 21– 26
Breuer, K.-H., see Oti, M.N. et al. ..... 76(3/4): 303–308
Brévart, O., see Hamelin, B. et al. ..... 68(3/4): 229–238
Brey, G.P., see Köhler, T. and Brey, G.P. ..... 70(1/2): 10
Brichet, E., see Lalou, C. and Brichet, E. ..... *65(3/4): 197–207
Brichet, E., see Lalou, C. et al. ..... 70(1/2): 128
Brick, J.-L., see Lugmair, G.W. and Brick, J.-L. ..... 70(1/2): 26
Brick, J.L., see Rotaru, M. et al. ..... 70(1/2): 26
Bridgwater, D., see Gruau, G. et al. ..... 70(1/2): 144
Bridgwater, D., see Gill, R.C.O. et al. ..... 70(1/2): 143
Bridgwater, D., see Schiøtte, L. et al. ..... *79(1): 21– 30
Bridgwater, D., see Taylor, P.N. et al. ..... *94(4): 281–191
Brient, B., see Ciabrini, J.P. et al. ..... 70(1/2): 177
Brillanceau, A., see Mosser, C. et al. ..... 90(3/4): 319–342

Brimhall, Jr., G.H., Preliminary fractionation patterns of ore metals through Earth history ..... 64(1/2): 1– 16
Brinkhuis, H., see Ten Haven, H.L. et al. ..... 64(1/2): 149–167
Briot, D. and Cantagrel, J.M., The Monts Dore volcanics (MCF): Geochemical evolution in a crustal magma chamber ..... 70(1/2): 4
Briot, D., Cantagrel, J.M., Dupuy, C. and Harmon, R.S., Geochemical evolution in crustal magma reservoirs: Trace-element and Sr–Nd–O isotopic variations in two continental intraplate series at Monts Dore, Massif Central, France ..... 89(3/4): 281–303
Briqueu, L. and De la Boisse, H., U–Pb geochronology: Systematic development of mixing equations and application of Monte Carlo numerical simulation to the error propagation in the Concordia diagram ..... 88(1/2): 69– 83
Brissaud, I., see Chevallier, P. et al. ..... 70(1/2): 173
Bristow, J.W., see Brown, R.W. et al. ..... *79(2): 125–136
Broadhurst, C.L., Drake, M.J., Hagee, B.E. and Bernatowicz, T.J., Solubilities and partitioning of Ne, Ar, Kr, Xe in anorthite, forsterite, diopside and coexisting melts with implications for terrestrial planet atmospheric origin and evolution ..... 70(1/2): 36
Brockamp, O., see Zuther, M. and Brockamp, O. ..... 71(4): 337–353
Broman, C., Fluid inclusions of the massive sulfide deposits in the Skellefte district, Sweden ..... 61(1/4): 161–168
Brondi, M., Gragnani, R. and Prosperi, M., Hydrogeochemical behaviour of antimony in cold and thermal springs of Italy: Lazio and Phlegreans Fields (Campania) ..... 70(1/2): 8
Bronger, A., see Singhvi, A.K. et al. ..... *65(1): 45– 56
Bronger, A., see Singhvi, A.K. et al. ..... *73(4): 307–317
Brookins, D.G., Geochemical behavior of antimony, arsenic, cadmium and thallium: Eh–pH diagrams for 25°C, 1-bar pressure ..... 54(3/4): 271–278
Brookins, D.G., Natural analogues for radwaste disposal: Elemental migration in igneous contact zones ..... 55(3/4): 337–344
Brookins, D.G., Platinoid element Eh–pH diagrams (25°C, 1 bar) in the systems M–O–H–S with geochemical applications ..... 64(1/2): 17– 24
Brookins, D.G., Seawater $^{87}Sr/^{86}Sr$ for the Late Permian Delaware Basin evaporites (New Mexico, U.S.A.) .. 69(3/4): 209–214
Brookins, D.G., see Ekambaram, V. et al. ..... 54(3/4): 319–331
Brookins, D.G., see Matheney, R.K. et al. ..... *86(1): 29– 47
Brooks, P., see Curiale, J.A. et al. ..... 93(1/2): vii
Brooks, P.W., see Osadetz, K.G. et al. ..... 70(1/2): 13
Brooks, R.R., Siriwardena, A. and Lee, J., A plasma emission method for determining elemental constituents of geological materials with a high iron content ..... 53(1/2): 31– 35
Brooks, R.R., see Sipiera, P.P. et al. ..... 54(1/2): 17– 26
Brooks, R.R., see Sipiera, P.P. et al. ..... 64(3/4): 351–356
Brooks, R.R., see Wilson, S.M. et al. ..... 75(4): 305–310
Brooks, R.R., see Ryan, D.E. et al. ..... 85(3/4): 295–303
Brooks, R.R., see Hoashi, M. et al. ..... 98(1/2): 1– 10
Brosse, E., see Landais, P. et al. ..... 70(1/2): 185
Brosse, E., see Forbes, P. et al. ..... 71(4): 267–282
Brotzu, P., see Secchi, F.A. et al. ..... 92(1/3): 213–249
Brousse, C., see Magonthier, M.C. et al. ..... 70(1/2): 162
Brouxel, M., Lécuyer, C. and Lapierre, H., Diversity of magma types in a lower Paleozoic island arc–marginal basin system (Eastern Klamath Mountains, California, U.S.A.) ..... 77(3/4): 251–264
Brouxel, M., see Lécuyer, C. et al. ..... 70(1/2): 52
Brouxel, M., see Lécuyer, C. et al. ..... 89(1/2): 87–115
Brown, F.H., see Cerling, T.E. et al. ..... *52(3/4): 281–293
Brown, Jr., G.E., Ponader, C.W., Waychunas, G.A. and Jackson, W.E., EXAFS studies of cation environments in silicate melts and glasses ..... 70(1/2): 86
Brown, L., ^{10}Be as a tracer of erosion and sediment transport ..... *65(3/4): 189–196
Brown, R.M., see Milton, G.M. and Brown, R.M. ..... *65(1): 57– 65
Brown, R.W., Allsopp, H.L., Bristow, J.W. and Smith, C.B., Improved precision of Rb–Sr dating of kimberlitic micas: An assessment of a leaching technique ..... *79(2): 125–136
Brown, T.A., Nelson, D.E., Southon, J.R. and Vogel, J.S., The extraction of ^{10}Be from lake sediments: leaching versus total dissolution ..... *52(3/4): 375–378
Browning, P., Cowden, A. and Groves, D.I., Lead isotopic composition of komatiite-hosted nickel ores at Kambalda: evidence for metamorphic disturbance ..... 70(1/2): 141
Brownlee, D.E., see Bradley, J.P. et al. ..... 70(1/2): 30
Brueckner, H.K., see Griffin, W.L. and Brueckner, H.K. ..... *52(2): 249–271
Brulhet, J., see Meunier, J.D. et al. ..... 70(1/2): 189
Bruno, J., Santschi, P., Bajo, C., Mantovani, M., Orciuolo, D. and Cranston, R.E., Modelling of uranium concentrations in pore waters from North Atlantic (GME and Nares Abyssal plain) sediments ..... 70(1/2): 188

Bryant, R. and Williams, D.J.A., The electrochemistry of colloidal particles from a proglacial lake ..... 62(3/4): 291–305
Buat-Menard, P., Remoudaki, E., Davies, J., Quetel, C., Ezat, U., Lambert, C.E. and Bergametti, G., Atmospheric inputs of trace elements and the geochemistry of the Mediterranean Sea ..... 70(1/2): 194
Buat-Menard, P., see Lambert, C.E. et al. ..... 70(1/2): 11
Buat-Menard, P., see Bergametti, G. et al. ..... 70(1/2): 94
Buat-Menard, P., see Cachier, H. et al. ..... 70(1/2): 96
Buat-Menard, P., see Schmidt, S. et al. ..... 70(1/2): 124
Buat-Menard, P., see Ruiz-Pino, D. et al. ..... 70(1/2): 198
Buatier, M., see Duplay, J. and Buatier, M. ..... 84(1/4): 264–266
Buch-Nurminen, K., Transfer of mantle fluids to the lower continental crust: Constraints from mantle mineralogy and Moho temperature ..... 83(3/4): 249–261
Buchardt, B., see Nielsen, T.F.D. and Buchardt, B. ..... 53(3/4): 207–217
Buchardt, B., see Jensenius, J. et al. ..... *73(2): 97–107
Buchardt, B., see Knudsen, C. and Buchardt, B. ..... *86(4): 263–274
Bucher-Nurminen, K., Transport and composition of mantle fluid into the lower crust ..... 70(1/2): 4
Buchs, A., see Mendoza, Y.A. et al. ..... 62(3/4): 307–319
Buchs, A., see Mendoza, Y.A. et al. ..... 62(3/4): 321–330
Buckley, D.E., Geochemical evidence of pore-water advection along a fault in plastic sediments from the Southern Nares Abyssal Plain (western North Atlantic) ..... 75(1/2): 43– 60
Budahn, J.R., see Barker, F. et al. ..... 75(1/2): 81–102
Bugues, D., see Dudoignon, P. et al. ..... 70(1/2): 159
Buhl, D. and Grauert, B., Kinetics of a metasomatic reaction under granulite facies conditions as deduced from strontium isotopic disequilibria ..... 70(1/2): 76
Buhl, D. and Grauert, B., Kinetics of Sr and Nd isotopic exchange in rocks of the lower crust — results from studies of isotopic disequilibria ..... 70(1/2): 78
Buhl, D., Deutsch, A. and Lakomy, R., Sr- and Nd-isotope homogenization in a heterogeneous breccia — An example from Sudbury, Canada ..... 70(1/2): 66
Buhl, J.-Chr. and Willgallis, A., The low-temperature crystallization of $(Fe,Mn)WO_4$ (wolframite), $(Zn,Fe)WO_4$ (sanmartinite) and $(Zn,Mn)WO_4$ solid solutions under hydrothermal conditions ..... 56(3/4): 271–279
Buhmann, D. and Dreybrodt, W., The kinetics of calcite dissolution and precipitation in geologically relevant situations of karst areas, 2. Closed system ..... 53(1/2): 109–124
Buhmann, D. and Dreybrodt, W., Calcite dissolution kinetics in the system H_2O–CO_2–$CaCO_3$ with participation of foreign ions ..... 64(1/2): 89–102
Buhmann, D., see Baumann, J. et al. ..... 53(3/4): 219–228
Buhmann, D., see Dreybrodt, W. and Buhmann, D. ..... 90(1/2): 107–122
Buhmann, D., see Dreybrodt, W. et al. ..... 97(3/4): 285–294
Buigues, D., see Dudoignon, P. et al. ..... 70(1/2): 183
Buigues, D., see Dudoignon, P. et al. ..... 76(3/4): 385–401
Buitenkamp, J., see Ten Haven, H.L. et al. ..... 51(3/4): 225–238
Burgess, R., see Wang, S. et al. ..... 70(1/2): 18
Burgess, R., see Turner, G. et al. ..... 70(1/2): 42
Burgess, R., see Turner, G. et al. ..... 70(1/2): 142
Burghele, A., Propagation of error and choce of standard in the ^{40}Ar–^{39}Ar technique ..... *66(1/2): 17– 19
Burgman, J.O., see Tanweer, A. et al. ..... *73(2): 199–203
Burke, E.A.J. and Lustenhouwer, W.J., The application of a multichannel laser Raman microprobe (Microdil-28®) to the analysis of fluid inclusions ..... 61(1/4): 11– 17
Burke, E.A.J., see Amundsen, H.E.F. et al. ..... 70(1/2): 46
Burke, R.M., see Berger, G.W. et al. ..... *87(1): 21– 37
Burke, W.H., see Koepnick, R.B. et al. ..... *58(1/2): 55– 81
Burke, W.H., see Koepnick, R.B. et al. ..... *80(4): 327–349
Burman, J.-O., see Pontér, C. et al. ..... 81(1/2): 121–131
Burne, R.V., see Ferguson, J. et al. ..... *72(1): 63– 76
Burneau,A., see Barres, O. et al. ..... 70(1/2): 178
Burnell, J.R., see Lane, D.L. et al. ..... 76(3/4): 327–340
Burnet, B., Narita, H. and Harada, K., Uranium-series isotopes in sediment and water from an anoxic marine lake in Palau, Micronesia ..... 70(1/2): 125
Burnett, W.C., see Kim, K.H. and Burnett, W.C. ..... *58(3): 227–244
Burns, S.J., see Swart, P.K. et al. ..... *86(2): 89– 96
Burrus, R.C., see Pedone, V.A. et al. ..... 88(1/2): 183–190
Burtner, R.L., Origin and evolution of Weber and Tensleep formation waters in the Greater Green River and Uinta–Piceance basins, northern Rocky Mountain area, U.S.A. ..... *65(3/4): 255–282

Burton, E.A., see Walter, L.M. and Burton, E.A. ..... 56(3/4): 313–323
Burton, J.D., see Morley, N.H. et al. ..... 70(1/2): 197
Burton, K.W. and O'Nions, R.K., Isotope sytematics and chronology of granulite genesis in Sri Lanka ..... 70(1/2): 5
Burton, K.W., Cohen, A.S. and O'Nions, R.K., Investigation of dehydration and melt loss in the lower crust . 70(1/2): 13
Buscail, A., see Bernat, M. et al. ..... 75(4): 329–337
Bustillo, M., Fort, R. and Ordoñez, S., Genetic implications of trace-element distributions in carbonate and non-carbonate phases of limestones and dolostones from western Cantabria, Spain ..... 97(3/4): 273–283
Bustillo Revuelta, M., Fort Gonzalez, R. and Ordoñez Delgado, S., The geochemistry of the Tertiary gypsum deposits near Chinchon, Madrid Basin, Spain ..... 70(1/2): 5
Bustillo Revuelta, M., see Bustillo Revuelta, M.A. and Bustillo Revuelta, M. ..... 70(1/2): 5
Bustillo Revuelta, M.A. and Bustillo Revuelta, M., Geochemical study of sedimentary rocks from Tajo Basin, Madrid, Spain: Genetic implications ..... 70(1/2): 5
Butt, C.R.M., Vertical distribution of trace elements in laterite soil (Suriname) — Comments (Discussion) .. 56(1/2): 159–160
Butt, C.R.M., A basis for geochemical exploration models for tropical terrains ..... 60(1/4): 5– 16
Butt, C.R.M., see Freyssinet, Ph. et al. ..... 84(1/4): 61– 63
Buttkewitz, A., Bohn, O., Gurker, N., Ketelsen, P., Knöchel, A. and Petersen, W., X-ray fluorescence analysis for trace element analysis in geosciences ..... 70(1/2): 176
Büttner, H., see Martens, R.M. et al. ..... 62(1/2): 49– 70
Büttner, H., see Roselieb, K. et al. ..... 96(3/4): 241–266

Caballero, E., Reyes, E., Huertas, F., Linares, J. and Pozzuoli, A., Early-stage smectites form pyroclastic rocks of Almería (Spain) ..... 89(3/4): 353–358
Cabanis, B. and Thieblemont, D., Discrimination of continental tholeiites and back-arc basin basalts using a Th–Tb–Ta diagram ..... 70(1/2): 5
Cabanis, B., see Thieblemont, D. and Cabanis, B. ..... 70(1/2): 18
Caboi, R., Cristini, A., Fanfani, L., Frau, F., Pinna, R. and Zuddas, P., Meteoric depositions on a forest in southern Sardinia (Italy) ..... 70(1/2): 7
Cabral, J.M.P., see Prudencio, M.I. et al. ..... 84(1/4): 119–121
Cabral, J.M.P., see Marques, M. et al. ..... 84(1/4): 176–178
Cabral, J.M.P., see Prudencio, M.I. et al. ..... 84(1/4): 246–248
Cachier, H., Bremond, M.P. and Buat-Menard, P., Atmospheric soot carbon over the ocean ..... 70(1/2): 96
Caen-Vachette, M., see Sabaté, P. et al. ..... 83(3/4): 325–338
Çağatay, M.N., Gedik, A. and Saltoğlu, T., Geochemistry of uranium in the late Pleistocene–Holocene sediments from the southern part of the Black Sea basin ..... 82(1/2): 129–144
Caggianelli, A., see Rottura, A. et al. ..... 92(1/3): 153–176
Caggionelli, A., Fiore, S., Mongelli, G. and Salvemini, A., REE distribution in the clay fraction of pelites from the southern Apennines, Italy ..... 99(4): 253–263
Cahill, Th.A., see Dorn, R.I. et al. ..... 99(4): 289–298
Caillet, C., Goldstein, J.I., Velde, D. and El Goresy, A., The thermal record of a Vigarano CAI ..... 70(1/2): 30
Calas, G., Farges, F., Manceau, A. and Petiau, J., Geochemical informations from X-ray absorption spectroscopy ..... 70(1/2): 172
Calas, G., Ildefonse, Ph., Manceau, A. and Muller, J.P., Crystal chemistry of clays and associated oxides: Constraints for element transfer and mineral formation processes at the Earth's surface ..... 84(1/4): 253–254
Calas, G., see Farges, F. and Calas, G. ..... 70(1/2): 87
Calas, G., see Muller, J.-P. and Calas, G. ..... 84(1/4): 105–107
Calas, G., see Clozel, B. et al. ..... 84(1/4): 259–261
Calderoni, G., Ferrini, V. and Masi, U., Distribution and significance of Pb and Tl in the sulfides and host rocks from the hydrothermal mineralization of the Tolfa Mountains (Latium, central Italy) ..... 51(1/2): 29– 39
Calderoni, G., Ferrini, V. and Masi, U., Geologic significance of trace-element abundances in the "Red Scaglia" limestones from Gubbio (central Italy) ..... 67(1/2): 63– 74
Calderoni, G., see Schnitzer, M. and Calderoni, G. ..... 53(3/4): 175–184
Callegari, E., see Secchi, F.A. et al. ..... 92(1/3): 213–249
Calvert, S.E. and Fontugne, M.R., Stable carbon isotopic evidence for the marine origin of the organic matter in the Holocene Black Sea sapropel ..... *66(3/4): 315–322
Calvert, S.E., Cousens, B.L. and Soon, M.Y.S., An X-ray fluorescence spectrometric method for the determination of major and minor elements in ferromanganese nodules ..... 51(1/2): 9– 18
Calvez, H.Y., Cocherie, A. and Oudin, E., Sr–Nd isotopes and REE signatures of the hydrothermal acivity in the Red Sea ..... 70(1/2): 133
Calvez, J.Y. and Orgeval, J.J., Ph and Sr isotopic studies of the carbonate hosted Zn–Pb depost of Bou Grine (Tunisia) and its environment. Genetic implications and possible use in exploration ..... 70(1/2): 133
Calvez, J.Y., see Dosso, L. et al. ..... 70(1/2): 47

Cameron, E.M. and Hattori, K., Archean sulphur cycle: Evidence from sulphate minerals and isotopically fractionated sulphides in Superior Province, Canada ..... *65(3/4): 341–358
Cameron, W.G., see Arndt, N.T. et al. ..... 70(1/2): 140
Campbell, F.A., see Ueda, A. et al. ..... *65(3/4): 383–390
Campbell, R.M., see Wise, S.A. et al. ..... 54(3/4): 339–357
Candela, P.A., Toward a thermodynamic model for the halogens in magmatic systems: An application to melt–vapor–apatite equilibria ..... 57(3/4): 289–301
Canfield, D.E., Raiswell, R., Westrich, J.T., Reaves, C.M. and Berner, R.A., The use of chromium reduction in the analysis of reduced inorganic sulfur in sediments and shales ..... 54(1/2): 149–155
Canfield, D.E., see Berner, R.A. and Canfield, D.E. ..... 70(1/2): 114
Canfield, D.E., see Green, W.J. et al. ..... 76(1/2): 85– 94
Cantagrel, J.M., see Briot, D. and Cantagrel, J.M. ..... 70(1/2): 4
Cantagrel, J.M., see Briot, D. et al. ..... 89(3/4): 281–303
Cantagrel, J.M., see Dostal, J. et al. ..... 97(3/4): 199–218
Cantillana, R., Quinif, Y, and Maire, R., Uranium–thorium dating of stalagmites applied to study Quaternary of the Pyrénées (France): The example of the "Gouffre de la Pierre–Saint-Martin" ..... 57(1/2): 137–144
Canto Machado, M.J., see Castro Reis, M.L.R.P. and Canto Machado, M.J. ..... 100(3/4): 191–199
Canual, R., see Mucci, A. et al. ..... 74(3/4): 309–320
Capobianco, C.J., see Drake, M.J. et al. ..... 70(1/2): 143
Cara, S., see Rivoldini, A. and Cara, S. ..... 98(3/4): 317–322
Carey, A.E., see Lyons, W.B. et al. ..... 96(1/2): 115–132
Carías, O., see Schorin, H. and Carías, O. ..... 60(1/4): 199–204
Carisey, J.C., see Landais, P. et al. ..... 70(1/2): 185
Caristan, Y., see Dudoignon, P. et al. ..... 70(1/2): 159
Caristan, Y., see Dudoignon, P. et al. ..... 70(1/2): 183
Carl, C. and Dill, H., Age of secondary uranium mineralizations in the basement rocks of northeastern Bavaria, F.R.G. ..... *52(3/4): 295–316
Carl, C., Wendt, I. and Wendt, J.I., The Pb/U-system in total rocks and minerals of the Falkenberg Granite (NE Bavaria), time and origin of intrusion ..... 70(1/2): 20
Carl, C., Höhndorf, A., Pechmann, E.V., Strnad, J.G. and Ruhrmann, G., Geochronology of the Key lake uranium deposit, Saskatchewan, Canada ..... 70(1/2): 133
Carl, C., see Wendt, I. and Carl, C. ..... *86(4): 275–285
Carlier, P., Martinet, A. and Mouvier, G., About the importance of the various oxidation pathways of organosulphur compounds in marine atmosphere ..... 70(1/2): 102
Carlson, E.H., *Geochemical Exploration in Arid and Deeply Weathered Environments* by R. Davy and R.H. Mazzucchelli (Editors) (Book Review) ..... 54(1/2): 177
Carlson, R., see Cullers, R.L. et al. ..... 63(3/4): 275–297
Carlson, R.W., see Tu, K. et al. ..... 70(1/2): 57
Carlson, R.W., see Tu, K. et al. ..... 97(1/2): 47– 63
Carman, R. and Jonsson, P., Distribution patterns of different forms of phosphorus in some surficial sediments of the Baltic Sea ..... 90(1/2): 91–106
Carmi, I., *Radion Carbon Dating Literature, The First 21 Years 1947–1968 — Annotated Bibliography*, by D. Polach (Book Review) ..... *87(3/4): 277–278
Carmi, I., see Stiller, M. et al. ..... *73(1): 63– 78
Carmi, I., see Kroitoru, L. et al. ..... *79(3): 259–274
Carpéna, J. and Mailhé, D., Fission-track dating calibration of the Fish Canyon Tuff standard in French reactors ..... *66(1/2): 53– 59
Carpenter, J., see Abu El-Ella, R. and Carpenter, J. ..... 85(3/4): 393–402
Carpenter, M.S.N., see Boust, D. et al. ..... 68(1/2): 69– 87
Carr, G.R., see Gulson, B.L. et al. ..... *59(4): 273–282
Carr, M., see Holdren, Jr., G.R. et al. ..... 70(1/2): 79
Carr, M.J., see Feigenson, M.D. and Carr, M.J. ..... 51(1/2): 19– 27
Carr, M.J., see Cygan, R.T. et al. ..... 78(3/4): 229–244
Carrigan, C.R., see Cygan R.T. and Carrigan, C.R. ..... 95(3/4): 201–212
Carro, O., see Hillaire-Marcel, C. et al. ..... 70(1/2): 127
Carvalho, A., see Boulange, B. et al. ..... 84(1/4): 30– 32
Carver, G.A., see Berger, G.W. et al. ..... *87(1): 21– 37
Casanova, J., see Hillaire-Marcel, C. et al. ..... 70(1/2): 127
Casey, W.H., Westrich, H.R. and Arnold, G.W., Mechanisms of feldspar dissolution in acid solutions ..... 70(1/2): 77
Casey, W.H., Westrich, H.R., Massis, T., Banfield, J.F. and Arnold, G.W., The surface of labradorite feldspar after acid hydrolysis ..... 78(3/4): 205–218

Casey, W.H., Westrich, H.R., Massis, T., Banfield, J.F. and Arnold, G.W., The surface of labradorite feldspar after acid hydrolysis (Erratum) ..... 85(1/2): 197
Casey, W.H., see Holdren, Jr., G.R. et al. ..... 70(1/2): 79
Casey, W.H., see Cygan, R.T. et al. ..... 78(3/4): 229–244
Cassani, F. and Eglinton, G., Organic geochemistry of Venezuelan extra-heavy crude oils. 1. Pyrolysis of asphaltenes: a technique for the correlation and maturity evaluation of crude oils ..... 56(3/4): 167–183
Cassani, F. and Eglinton, G., Organic geochemistry of Venezuelan extra-heavy crude oils, 2. Molecular assessment of biodegradation ..... 91(4): 315–333
Cassidy, R.M., Determination of rare-earth elements in rocks by liquid chromatography ..... 67(3/4): 185–195
Cassidy, R.M. and Chauvel, C., Modern liquid chromatographic techniques for geochemical studies ..... 70(1/2): 173
Cassidy, R.M. and Chauvel, C., Modern liquid chromatographic techniques for the separation of Nd and Sr for isotopic analyses ..... 74(3/4): 189–200
Castet, S., Anderson, G.M., Mesmer, R.E. and Schott, J., Prediction of the solubility of aluminium oxides and hydroxides at high temperature and pressure ..... 70(1/2): 158
Castro Reis, M.L.R.P. and Canto Machado, M.J., An ultrasonic method for the separation of carbonaceous material from schists for the determination of graphitization degree by X-ray diffraction ..... 100(3/4): 191–199
Cathelineau, M, Izquierdo, G. and Nieva, D., Thermobarometry of hydrothermal alteration in the Los Azufres geothermal system (Michoacan, Mexico): Significance of fluid-inclusion data ..... 76(3/4): 229–238
Cathelineau, M., The chlorite and illite geothermometers ..... 70(1/2): 182
Cathelineau, M. and Holliger, P., Uranium mineralizations in western Europe: the witness of major geodynamic events from Devonian to Tertiary ..... 70(1/2): 188
Cathelineau, M., see Holliger, P. and Cathelineau, M. ..... 70(1/2): 173
Causse, C., see Hillaire-Marcel, C. et al. ..... 70(1/2): 127
Cavarretta, G. and Lombardi, G., Origin of sulphur in the Quaternary perpotassic melts of Italy: Evidence from hauyne sulphur isotope data ..... 82(1/2): 15– 20
Cavazzini, G., Linear correlation between pairs of Rb–Sr isochron ages from coexisting metamorphic micas . *72(1): 29– 36
Cavazzini, G., see Piccirillo, E.M. et al. ..... 89(1/2): 19– 48
Cavazzini, G., see Bellieni, G. et al. ..... 97(1/2): 9– 32
Cawood, P.A., see Vallier, T.L. et al. ..... 91(3): 227–256
Cawthorn, R.G., Eales, H.V., see Kruger, F.J. et al. ..... 70(1/2): 134
Censi, P., see Schifano, G. and Censi, P. ..... *58(4): 325–331
Cercone, K.R., see Pedone, V.A. et al. ..... 88(1/2): 183–190
Cerling, T.E. and Quade, J., Global ecologic and climatic change during the Neogene: Stable isotopic evidence from soils ..... 84(1/4): 164–165
Cerling, T.E., Brown, F.H. and Bowman, J.R., Low-temperature alteration of volcanic glass: Hydration, Na, K, ^{18}O and Ar mobility ..... *52(3/4): 281–293
Cerling, T.E., see Quade, J. et al. ..... *94(3): 183–192
Cesbron, F., see Fouillac, A.M. et al. ..... 76(3/4): 271–289
Chabaux, E., Ben Othman, D., Manhès, G. and Allègre, C.J., Determination of the $^{230}Th/^{232}Th$ in recent volcanic rocks by mass spectrometry ..... 70(1/2): 125
Chai, C., see Kong, P. and Chai, C. ..... 82(1/2): 51– 56
Chaintreau, M., see Lorin, J.C. et al. ..... 70(1/2): 25
Chakrapani, G.J. and Subramanian, V., Preliminary studies on the geochemistry of the Mahanadi River basin, India ..... 81(3): 241–253
Chalet, M., see Peucat, J.J. et al. ..... *59(2/3): 133–142
Chambaudet, A., see Klein, D. et al. ..... 70(1/2): 39
Chambers, L.A., see Ferguson, J. et al. ..... *72(1): 63– 76
Chan, K.R., see Loewenstein, M. et al. ..... 71(4): 367
Chang, C.T., see Chen, J.J. et al. ..... 70(1/2): 26
Chapman, J.B., see Ingraham. N.L. et al. ..... *86(1): 65– 74
Chapman, J.S., see Hilton, J. et al. ..... 56(3/4): 325–333
Chapman, N.A. and Smellie, J.A.T. (Guest-Editors), Preface to Special Issue "Natural Analogues to the Conditions around a Final Repository for High-level Radioactive Waste" ..... 55(3/4): iii
Chapman, N.A. and Smellie, J.A.T., Introduction and Summary of the Workshop ..... 55(3/4): 167–173
Chappell, B.W. and Hergt, J.M., The use of known Fe content as a flux monitor in neutron activation analysis 78(2): 151–158
Chappell, B.W., see Glikson, M. et al. ..... 53(1/2): 155–174
Charef, A. and Sheppard, S.M.F., Pb–Zn mineralization associated with diapirism: Fluid inclusion and stable isotope (H, C, O) evidence for the origin and evolution of the fluids at Fedj-el-Adoum, Tunisia ..... 61(1/4): 113–134
Charlet, L., see Manceau, A. and Charlet, L. ..... 84(1/4): 275–278
Charlou, J.L., see Biloleau, A. et al. ..... 70(1/2): 132
Charlou, J.L., see Bougault, H. et al. ..... 70(1/2): 132

Charnley, N., see Pimentel, M.M. and Charnley, N. ..... *86(2): 123–138
Charoy, B., see Diamond, L.W. et al. ..... 90(1/2): 71– 78
Chassefière, B., see Bernat, M. et al. ..... 75(4): 329–337
Chastel, R., Bergman, C., Rogez, J. and Mathieu, J.-C., Excess thermodynamic functions in ternary Na_2O–K_2O–SiO_2 melts by Knudsen cell mass spectrometry ..... 62(1/2): 19– 29
Chastel, R., see Rogez, J. et al. ..... 70(1/2): 89
Chatterjee, A.K., see Corey, M.C. and Chatterjee, A.K. ..... 85(3/4): 265–285
Chaudhuri, S. and Clauer, N., Fluctuations of isotopic composition of strontium in seawater during the Phanerozoic ..... *59(4): 293–303
Chaudhuri, S., see Clauer, N. and Chaudhuri, S. ..... *65(3/4): iii
Chaudhuri, S., see Clauer, N. et al. ..... *80(1): 27– 34
Chaussidon, M., Albarède, F. and Sheppard, S.M.F., Sulphur isotope variations in the mantle from ion microprobe analyses of micro-sulphide inclusions ..... 70(1/2): 47
Chauvel, C., see Cassidy, R.M. and Chauvel, C. ..... 70(1/2): 173
Chauvel, C., see Cassidy, R.M. and Chauvel, C. ..... 74(3/4): 189–200
Chauvel, J.J., see Bonjour, J.L. et al. ..... *72(4): 329–336
Cheeseman, P.A., see Angell, C.A. et al. ..... 62(1/2): 83– 92
Cheilletz, A., see Giuliani, G. et al. ..... 64(3/4): 279–294
Chemineé, J.L., see Zimmermann, J.L. et al. ..... 61(1/4): 299–308
Chen, C.H., Estimation of the degree of partial melting by (Na_2O+K_2O) and Al_2O_3/SiO_2 of basic magmas . 71(4): 355–364
Chen, C.-H., Jahn, B.M., Lan, C.-Y. and Lee, T., Taiwan sediment and crustal evolution of SE. China ..... 70(1/2): 67
Chen, C.-H., Liu, K-K. and Shieh, Y.N., Geochemical and isotopic studies of bauxitization in the Tatun volcanic area, northern Taiwan ..... 68(1/2): 41– 56
Chen, Chao-H., see Chen, Chen-H. et al. ..... 88(3/4): 317–332
Chen, Chen-H., Jahn, B.-M., Lee, T., Chen, Chao-H. and Cornichet, J., Sm–Nd isotopic geochemistry of sediments from Taiwan and implications for the tectonic evolution of southeast China ..... 88(3/4): 317–332
Chen, C.-Y., see Flower, M.F.J. et al. ..... 70(1/2): 87
Chen, C.-Y., see Tu, K. et al. ..... 97(1/2): 47– 63
Chen, C.-Y., see Flower, M.F.J. et al. ..... 97(1/2): 65– 87
Chen, D.G., see Peng, Z.C. et al. ..... *59(1): 3– 33
Chen, J.H. and Wasserburg, G.J., Endemic silver isotopic anomalies in iron meteorites ..... 70(1/2): 24
Chen, J.H. and Wasserburg, G.J., High precision mass spectrometric determinations of ^{234}U & ^{230}Th: application to Quaternary geology ..... 70(1/2): 173
Chen, J.H. and Philp, R.P., Porphyrin distributions in crude oils from the Jianghan and Biyang basins, China 91(2): 139–151
Chen, J.H., see Lee, T. and Chen, J.H. ..... 70(1/2): 197
Chen, J.J., Lee, T. and Chang, C.T., Searching for meteoritic La isotopic anomaly ..... 70(1/2): 26
Chen, J.-S. and Chu, X.-L., Sulfur isotope composition of Triassic marine sulfates of south China ..... *72(2): 155–161
Chen, J.-S., Chu, X.-L., Shao, M.-R. and Zhong, H., Carbon isotope study of the Permian–Triassic boundary sequences in China ..... *86(3): 239–251
Chen, W.J., Jaeger, E., Dai, T.M. and Li, D.M., Excess radiogenic argen in young continental basalt from north China ..... 71(4): 366
Chen Wen Ji., see Jäger, E. et al. ..... *52(3/4): 275–279
Chen, Y., see Ambrosi, J.-P. and Chen, Y. ..... 84(1/4): 19– 22
Chernyshev, I.V., see Zhuravlev, D.Z. et al. ..... *66(3/4): 227–243
Cherry, J.A., see Morin, K.A. and Cherry, J.A. ..... 56(1/2): 117–134
Chester, R., *Trace Metals in Sea Water* by C.S. Wong, E. Boyle, K.W. Bruland, J.D. Burton and E.D. Goldberg (Editors) (Book Review) ..... 51(1/2): 151–152
Chester, R., Murphy, K.J.T., Towner, J. and Thomas, A., A partitioning of elements in crust-dominated marine aerosols ..... 54(1/2): 1– 15
Chesworth, W., see Schulman, D. and Chesworth, W. ..... 51(1/2): 115–122
Chevalier, Y. and Bech, J., Weathering of the granitoid rocks of western Mediterranean areas; some examples of Provence (France) and Catalonia (Spain) ..... 84(1/4): 36– 37
Chevallier, P., Wang, J.X. and Brissaud, I., Synchrotron radiation as a tool for X-ray fluorescence analysis of trace elements ..... 70(1/2): 173
Chin, P.-K.F. and Mills, G.L., Kinetics and mechanisms of kaolinite dissolution: effects of organic ligands .... 90(3/4): 307–317
Chinn, E.W., see Sassen, R. et al. ..... 74(1/2): 57– 66
Chiou, K.Y., see Torgersen, T. et al. ..... 70(1/2): 42
Chipley, D., see Koehler, G.D. et al. ..... *94(1): 45– 54
Chivas, A.R. (Guest-Editor), Introduction to Special Issue "Isotopes in Palaeoenvironments" ..... *72(3): iii
Chivas, A.R., see Torgersen, T. and Chivas, A.R. ..... *52(3/4): 379–390
Chivas, A.R., see Kayliffe, L. and Chivas, A.R. ..... 70(1/2): 114

Chivas, A.R., see Bird, M.I. and Chivas, A.R. ..... *72(3): 249–265
Chivas, A.R., see Vengosh, A. et al. ..... *79(4): 333–343
Chivas, A.R., see Bird, M.I. et al. ..... *80(2): 133–145
Chivas, A.R., see Quade, J. et al. ..... *94(3): 183–192
Chormann, Jr., F.H., Spencer, M.J., Lyons, W.B. and Mayewski, P.A., A solvent extraction technique for determining concentrations of gold and silver in natural waters ..... 53(1/2): 25– 30
Chou, L., Garrels, R.M. and Wollast, R., Comparative study of the dissolution kinetics and mechanisms of carbonates in aqueous solutions ..... 70(1/2): 77
Chou, L., Garrels, R.M. and Wollast, R., Comparative study of the kinetics and mechanisms of dissolution of carbonate minerals ..... 78(3/4): 269–282
Christie, A.B., Goguel, R.L. and Robinson, B.W., Problems of crush–leach analyses of low-salinity inclusion-poor material ..... 78(1): 35– 49
Chu, X.-L., see Chen, J.-S. and Chu, X.-L. ..... *72(2): 155–161
Chu, X.-L., see Chen, J.-S. et al. ..... *86(3): 239–251
Chung, C.F., see Kamineni, D.C. et al. ..... 54(1/2): 97–111
Chung, H.M., Gormly, J.R. and Squires, R.M., Origin of gaseous hydrocarbons in subsurface environments: Theoretical considerations of carbon isotope distribution ..... 71(1/3): 97–103
Church, T.M., see Sharma, P. et al. ..... *73(4): 279–288
Ciabrini, J.P., Michard, G. and Brient, B., A fiber optic probe for spectrometric determination of $p(CO_2)$ in sea water, preliminary investigations ..... 70(1/2): 177
Cidu, R., Fanfani, L., Zuddas, P. and Zuddas, P., Me^{2+}/Ca distribution coefficients between calcites from Sardinian travertines and depositing waters ..... 70(1/2): 153
Cidu, R., Fanfani, L., Zuddas, P. and Zuddas, P., The travertine deposit at Funtana Maore (Central Sardinia, Italy) ..... 84(1/4): 198–200
Cieur, M., see Klein, D. et al. ..... 70(1/2): 39
Civetta, L., see Piccirillo, E.M. et al. ..... 75(1/2): 103–122
Claassen, H.C., Late-Wisconsin paleohydrology of the west-central Amargosa Desert, Nevada, U.S.A. ..... *58(4): 311–323
Claesson, S. and Lundqvist, T., Isotopic and geochemical constraints on the origin of the granitoids in the Bothnian Basin, Central Sweden ..... 70(1/2): 6
Claparols, C., Desprairies, A. and Loubet, M., Chemical isotopic ($^{143}Nd/^{144}Nd$ and $^{87}Sr/^{86}Sr$) characteristics of black shales Mesozoic series from the South Atlantic Ocean: Evidence of contemporeanous volcanism . 84(1/4): 360–362
Claparols, C., see Noack, Y. et al. ..... 84(1/4): 111–113
Claqué-Long, J.C. and Compston, W., Zircon tracing of emplacement, inheritance and metamorphism in the Kambalda greenstones, W. Australia ..... 70(1/2): 142
Clark, J., see Dorn, R.I. et al. ..... 99(4): 289–298
Clarke, D.B., Halliday, A.N. and Hamilton, P.J., Neodymium and strontium istopic constraints on the origin of the peraluminous granitoids of the South Mountain batholith, Nova Scotia, Canada ..... *73(1): 15– 24
Clarke, D.B., see MacDonald, M.A. and Clarke, D.B. ..... 92(1/3): 1– 20
Clarke, W.B., see Torgersen, T. et al. ..... 70(1/2): 42
Clauer, N. and Chaudhuri, S. (Editors), Preface to Special Issue "Isotopes in the Sedimentary Cycle" ..... *65(3/4): iii–iv
Clauer, N., Chaudhuri, S. and Subramanium, R., Strontium isotopes as indicators of diagenetic recrystallization scales within carbonate rocks ..... *80(1): 27– 34
Clauer, N., see Chaudhuri, S. and Clauer, N. ..... *59(4): 293–303
Clauer, N., see Thellier, C. and Clauer, N. ..... *73(4): 299–306
Clauer, N., see Turpin, L. et al. ..... *87(3/4): 217–230
Clausen, H.B., see Nijampurkar, V.N. and Clausen, H.B. ..... 70(1/2): 168
Clayton, R.N., Mayeda, T.K. and Goldsmith, J.R., Oxygen isotope fractionation factors among rock-forming minerals at high temperatures ..... 70(1/2): 183
Clayton, R.N., see Veizer, J. et al. ..... 64(3/4): 225–237
Clement, C.R., see Smith, C.B. et al. ..... *79(2): 137–145
Cliff, R.A., Baker, P.E. and Mateer, N.J., Geochemistry of Inaccessible Island volcanics ..... 92(4): 251–260
Clifford, P.M., see Dickin, A.P. et al. ..... 83(3/4): 315–324
Cline. J.D., *Coastal Upwelling, Its Sediment Record, Part A: Responses of the Sedimentary Regime to Present Coastal Upwelling;* and *Part B: Sedimentary Records of Ancient Coastal Upwelling* by E. Suess and J. Thiede (Editors), and J. Thiede and E. Suess (Editors), respec. (Book Review) ..... 51(1/2): 152–153
Closs, L.G., *Geochemical Exploration 1982* by G.R. Parslow (Editor) (Book Review) ..... 54(1/2): 177–178
Clozel, B., Calas, G., Muller, J.-P., Dran, J.-C. and Herve, A., Kaolinites as dosimeters: A new possibility of tracing radionuclides migration ..... 84(1/4): 259–261
Cocherie, A., Augé, T. and Meyer, G., Geochemistry of the platinum-group elements in various types of spinels from the Vourines ophiolitic complex, Greece ..... 77(1): 27– 39
Cocherie, A., see Calvez, H.Y. et al. ..... 70(1/2): 133

Cochran, J.K., Scavenging of reactive radionuclides from oceans: the mass balance for ^{210}Pb ..... 70(1/2): 125
Coenegracht, Y.M.A., see Zuurdeeg, B.W. et al. ..... 70(1/2): 14
Coghlan, R.A., see Giletti, B.J. et al. ..... 70(1/2): 184
Cohen, A.S., O'Nions, R.K. and O'Hara, M.J., Melting, depletion and textural equilibration of Lewisian granulites ..... 70(1/2): 6
Cohen, A.S., Waters, F.G., O'Nions, R.K. and O'Hara, M.J., A precise crystallisation age for the Scourie dykes, and a new chronology for crustal development in north-west Scotland ..... 70(1/2): 19
Cohen, A.S., see Burton, K.W. et al. ..... 70(1/2): 13
Coleman, D.D., Liu, C.-L. and Riley, K.M., Microbial methane in the shallow Paleozoic sediments and glacial deposits of Illinois U.S.A. ..... 71(1/3): 23– 40
Coleman, M.L., see McArthur, J.M. et al. ..... *65(3/4): 415–425
Coles, B.J., see Ramsey, M.H. and Coles, B.J. ..... 95(1/2): 99–112
Colin, F. and Vieillard, P., Dissolution and translocation of residual gold particles under equatorial lateritic conditions ..... 84(1/4): 38– 39
Colin, F., see Beauvais, A. et al. ..... 84(1/4): 25– 26
Colin, F., see Parron, C. et al. ..... 84(1/4): 116–117
Collerson, K.D., Williams, R.W. and Gill, J.B., Leucitites with large initial ^{230}Th enrichment: Gaussberg Volcano, Antarctica ..... 70(1/2): 125
Collins, D.S., *Mantle Xenoliths* by P.H. Nixon (Editor) (Book Review) ..... 77(2): 159–160
Colodner, D., see Kurz, M.D. et al. ..... 70(1/2): 39
Coltorti, M., see Siena, F. and Coltorti, M. ..... 77(3/4): 347–364
Comans, R.N.J., Van Dijk, C. and Van der Weijden, C.H., Adsorption/desorption behaviour of cadmium on natural suspended particles under fresh water conditions and at increased salinity ..... 70(1/2): 194
Comans, R.N.J., Haller, M., Van der Weijden, C.H. and Das, H.A., Reversibility of cesium sorption on clay minerals and natural suspended particles ..... 70(1/2): 195
Comans, R.N.J., see Middelburg, J.J. and Comans, R.N.J. ..... 90(1/2): 45– 53
Comas, M.C., see Grimalt, J.O. et al. ..... 82(3/4): 341–363
Combes, P.J., see Le Guen, M. et al. ..... 70(1/2): 135
Comet, P.A., see Gou Xuemin et al. ..... 64(3/4): 181–195
Comin-Chiaramonti, P., see Piccirillo, E.M. et al. ..... 75(1/2): 103–122
Comin-Chiaramonti, P., see Piccirillo, E.M. et al. ..... 89(1/2): 19– 48
Comin-Chiaramonti, P., see Bellieni, G. et al. ..... 97(1/2): 9– 32
Compagnoni, R., Morlotti, E. and Torelli, L., Crystalline of sedimentary rocks from the scarps of the Sicily–Sardinia Trough and Cornaglia Terrace (southwestern Tyrrhenian Sea, Italy): Paleogeographic and geodynamic implications ..... 77(3/4): 375–398
Compston, W., see Gebauer, D. et al. ..... 70(1/2): 68
Compston, W., see Bibikova, E.V. et al. ..... 70(1/2): 141
Compston, W., see Claqué-Long, J.C. and Compston, W. ..... 70(1/2): 142
Compston, W., see Kröner, A. et al. ..... 70(1/2): 146
Compston, W., see Schiøtte, L. et al. ..... *79(1): 21– 30
Compston, W., see Schiøtte, L. and Compston, W. ..... *80(2): 147–157
Concha, M.A., Quirke, J.M.E., Beato, B.D., Yost, R.A., Mercer, G.E. and Filby, R.H., The Henryville bed of the New Albany shale, IV. Tandem mass spectrometric analyses of geoporphyrins from the bitumen of the demineralised shale ..... 91(2): 153–168
Condie, K.C., Growth, accretion and composition of continental cratons ..... 70(1/2): 67
Condie, K.C., Growth and accretion of continental crust: Inferences based on Laurentia ..... 83(3/4): 183–194
Condie, K.C., see Knoper, M.W. and Condie, K.C. ..... 67(3/4): 209–225
Condomines, M., Bachelery, B., Bouchez, T. and Ma, J.L., U–Th–Ra disequilibria in Piton de la Fournaise Lavas (Réunion Island) ..... 70(1/2): 126
Condomines, M., see Sigmarsson, O. et al. ..... 70(1/2): 129
Connolly, J.A.D., see Thompson, A.B. and Connolly, J.A.D. ..... 70(1/2): 165
Connor, J.J., *Advances in Physical Geochemistry, Vol. 3* by S.K. Saxena (Editor) (Book Review) ..... 56(1/2): 165–166
Conrad, W.K., see Nicholls, I.A. et al. ..... 70(1/2): 72
Cooper, A.F., see Reid, D.L. and Cooper, A.F. ..... *94(4): 293–305
Coplen, T.B., Normalization of oxygen and hydrogen isotopic data ..... *72(4): 293–297
Coplen, T.B., see Revesz, K. and Coplen, T.B. ..... *86(3): 259–261
Copreaux, J., Dujon, S.C. and Gandals, M., Influence of hydrothermal conditions of synthesis on physical properties of anorthite ..... 70(1/2): 158
Cordani, L.K., see Barreto, P.M.C. et al. ..... 70(1/2): 191
Cordier, P. and Doukhan, J.C., Water in quartz, point defects, solubility, diffusivity and influence on ductility 70(1/2): 158

Corey, M.C. and Chatterjee, A.K., Characteristics of REE and other trace elements in response to successive and superimposed metasomatism within a portion of the South Mountain Batholith, Nova Scotia, Canada 85(3/4): 265–285
Corfu, F. and Muir, T.L., The Hemlo–Heron Bay greenstone belt and Hemlo Au–Mo deposit, Superior Province, Ontario, Canada, 1. Sequence of igneous activity determined by zircon U–Pb geochronology ... *79(3): 183–200
Corfu, F. and Muir, T.L., The Hemlo–Heron Bay greenstone belt and Hemlo Au–Mo deposit, Superior Province, Ontario, Canada, 2. Timing of metamorphism, alteration and Au mineralization from titanite, rutile, and monazite U–Pb geochronology ... *79(3): 201–223
Corfu, F., Davis, D.W. and Krogh, T.E., Precise, small sample U–Pb Geochronology: a critical tool for the study of early crustal evolution ... 70(1/2): 142
Cornell, D., see Barton, Jr., J.M. et al. ... 70(1/2): 140
Cornell, D.H., see Barton, E.S. et al. ... *59(4): 255–271
Cornette, Y., see Gillot, P-Y. and Cornette, Y. ... *59(2/3): 205–222
Cornichet, J., see Bernard-Griffiths, J. and Cornichet, J. ... *52(2): 185–201
Cornichet, J., see Bernard-Griffiths, J. et al. ... *52(2): 217–225
Cornichet, J., see Bonjour, J.L. et al. ... *72(4): 329–336
Cornichet, J., see Gruau, G. et al. ... *72(4): 353–356
Cornichet, J., see Chen, Chen-H. et al. ... 88(3/4): 317–332
Cortecci, G., Lattanzi, P. and Tanelli, G., C- and O-isotope and fluid inclusion studies of carbonates from pyrite and polymetallic ore deposits and associated country rocks (southern Tuscany, Italy) ... *58(1/2): 121–128
Cortecci, G., Lattanzi, P. and Tanelli, G., Sulfur, oxygen and carbon isotope geochemistry of barite–iron oxide–pyrite deposits from the Apuane Alps (northern Tuscany, Italy) ... 76(3/4): 249–257
Cortini, M., An attempt to model the timing of magma formation by means of radioactive disequilibria ... *58(1/2): 33– 43
Costa, C.C., see Barreto, P.M.C. et al. ... 70(1/2): 191
Costa, S. and Maluski, H., Use of the ^{40}Ar–^{39}Ar stepwise heating method for dating mylonite zones: An example from the St. Barthélémy Massif (Northern Pyrenees, France) ... *72(2): 127–144
Coté, B.B., Massiot, D., Taulelle, F. and Coutures, J.-P., ^{27}Al NMR spectroscopy of aluminosilicate melts and glasses ... 96(3/4): 367–370
Cotne, M.H. and Bishop, J.K.B., Active vertical transport of fatty acids in an oligotrophic Gulf-Stream warm-core ring ... 70(1/2): 114
Coulon, C., see Zorpi, M.J. et al. ... 92(1/3): 45– 86
Courtillot, Y., Vandamme, D., Besse, J. and Jaeger, J.J., Deccan volcanism at the Cretaceous–Tertiary boundary ... 70(1/2): 118
Cousens, B.L., see Calvert, S.E. et al. ... 51(1/2): 9– 18
Cousens, D.R., see Green, T.H. et al. ... 74(3/4): 201–216
Coutures, J.-P., see Coté, B.B. et al. ... 96(3/4): 367–370
Couty, R., see Guilhaumou, N. et al. ... 61(1/4): 47– 53
Couty, R., see Velde, B. and Couty, R. ... 62(1/2): 35– 41
Couty, R., see Manier-Glavinaz, V. et al. ... 70(1/2): 162
Coveney, Jr., R.M., Murowchick, J.B., Grauch, R.I., Glascock, M.D. and Denison, J.R., Gold and platinum in shales with evidence against extraterrestrial sources of metals ... 99(1/3): 101–114
Coveney, Jr., R.M., see Schultz, R.B. and Coveney, Jr., R.M. ... 99(1/3): 83–100
Cowart, J.B., see Russell, C.W. et al. ... 74(1/2): 153–171
Cowden, A., see Browning, P. et al. ... 70(1/2): 141
Cowper, M. and Rickard, D., Kinetics and mechanism of chalcopyrite formation ... 70(1/2): 77
Cowper, M. and Rickard, D., Mechanism of chalcopyrite formation from iron monosulphides in aqueous solutions (< 100°C, pH 2–4.5) ... 78(3/4): 325–341
Cox, K.G., see Ellam, R.M. and Cox, K.G. ... 70(1/2): 49
Craig, H., see Hilton, D.R. and Craig, H. ... 70(1/2): 37
Craig, H., see Hilton, D.R. et al. ... 70(1/2): 202
Craig, H., see Poreda, R.J. et al. ... 71(1/3): 199–210
Cramer, J.J., Sandstone-hosted uranium deposits in northern Saskatchewan as natural analogs to nuclear fuel waste disposal vaults ... 55(3/4): 269–279
Cranston, R.E., see Bruno, J. et al. ... 70(1/2): 188
Cranwell, P.A., Lipid geochemistry of late Pleistocene lacustrine sediments from Burland, Cheshire, U.K. ... 68(3/4): 181–197
Cranwell, P.A., see Robinson, N. et al. ... 76(1/2): 153–173
Craven, S.J., see Whitford, D.J. et al. ... 68(1/2): 105–119
Craw, D., Fluid evolution, fluid immiscibility and gold deposition during Cretaceous–Recent tectonics and uplift of the Otago and Alpine Schist, New Zealand ... 98(3/4): 221–236
Crerar, D., Hellmann, R. and Dove, P., Dissolution kinetics of albite and quartz in hydrothermal solutions .. 70(1/2): 77
Crerar, D., Yang, M., Vogel Koplitz, L., Susak, N., Irish, D. and McClure, D., Electronic and Raman spectroscopy of transition metal complexes in hydrothermal solutions ... 70(1/2): 159

Crerar, D.A. and Dove, P.M., Kinetics of quartz dissolution in electrolyte solutions using a hydrothemal mixed flow reactor ..... 84(1/4): 301–304
Crerar, D.A., see Hennet, R.J-C. et al. ..... 69(3/4): 321–330
Crerar, D.A., see Maest, A.S. et al. ..... 81(1/2): 133–149
Crerar, D.A., see Yan, L. et al. ..... 85(3/4): 369–381
Crerar, D.A., see Yan, L. et al. ..... 100(3/4): 163–174
Criaud, A. and Fouillac, C., The distribution of arsenic (III) and arsenic (V) in geothermal waters: Examples from the Massif Central of France, the Island of Dominica in the Leeward Islands of the Caribbean, the Valles Caldera of New Mexico, U.S.A., and southwest Bulgaria ..... 76(3/4): 259–269
Criaud, A., see Beaucaire, C. et al. ..... 63(1/2): 85– 99
Crisci, G.M., De Francesco, A.M., Mazzuoli, R., Poli, G. and Stanzione, D., Geochemistry of recent volcanics of Ischia Island, Italy: Evidences for fractional crystallization and magma mixing ..... 78(1): 15– 33
Criss, R.E., see Gregory, R.T. et al. ..... 75(1/2): 1– 42
Cristini, A., see Caboi, R. et al. ..... 70(1/2): 7
Cronan, D.S., see Varnavas, S.P. and Cronan, D.S. ..... 67(3/4): 295–305
Croudace, I.W., *X-ray Fluorescence Analysis in the Geological Sciences: Advances in Methodology* by S.T. Ahmedali (Editor) (Book Review) ..... 90(3/4): 353
Croudace, I.W. and Randle, K., A rapid and non-destructive method of fluorine determination using fast-neutron activation analysis ..... 67(1/2): 165–170
Crovisier, J.-L. and Daux, V., Populations of clays formed by alteration of subglacial hyaloclastites from Iceland ..... 84(1/4): 261–263
Crozaz, G. and MacPherson, G.J., The origin of type B Ca–Al-rich inclusions in carbonaceous chondrites: An ion microprobe study ..... 70(1/2): 30
Crutzen, P.J., see Zimmermann, P.H. et al. ..... 70(1/2): 105
Cui, X., see Bigot, M. et al. ..... 75(4): 339–350
Cullers, R.L., Barrett, T., Carlson, R. and Robinson, B., Rare-earth element and mineralogic changes in Holocene soil and stream sediment: A case study in the Wet Mountains, Colorado, U.S.A. ..... 63(3/4): 275–297
Cullers, R.L., Basu, A. and Suttner, L.J., Geochemical signature of provenance in sand-size material in soils and stream sediments near the Tobacco Root batholith, Montana, U.S.A. ..... 70(4): 335–348
Cumming, G.L. and Kesler, S.E., Lead isotopic composition of the oldest volcanic rocks of the eastern Greater Antilles island arc ..... *65(1): 15– 23
Cummings, M.L. and Fassio, J.M., Geochemistry and mineralogy of ferruginous bauxite developed from basalt flows in the Pacific Northwest, U.S.A. ..... 84(1/4): 40– 41
Cummings, M.L., Trone, P.M. and Pollock, J.M., Geochemistry of colloidal silica precipitates in altered Grande Ronde Basalt, northeastern Oregon, U.S.A. ..... 75(1/2): 61– 79
Cuney, M., see Maruejol, P. and Cuney, M. ..... 70(1/2): 189
Curiale, J.A., The petroleum geochemistry of Canadian Beaufort Tertiary "non-marine" oils ..... 93(1/2): 21– 45
Curiale, J.A., Petroleum geochemistry of Texas and Oklahoma oils along the Marathon–Ouachita fold-thrust belt, south-central U.S.A. ..... 98(1/2): 151–173
Curiale, J.A., Alexander, R. and Brooks, P. (Editors), Preface to Special Issue "Organic Geochemistry of Hydrocarbon Basins" ..... 93(1/2): vii
Curiale, J.A., see Odermatt, J.R. and Curiale, J.A. ..... 91(2): 99–113
Curtis, C.D., see Aplin, A.C. et al. ..... 70(1/2): 2
Curtis, D.B., Geochemcal controls on ^{99}Tc transport and retention ..... 55(3/4): 227–231
Curtis, D.B., see Loss, R.D. et al. ..... 76(1/2): 71– 84
Cygan R.T. and Carrigan, C.R., Time-dependent Soret transport: Applications to brine and magma ..... 95(3/4): 201–212
Cygan, R.T., Casey, W.H., Boslough, M.B., Westrich, H.R., Carr, M.J. and Holdren, Jr., G.R., Dissolution kinetics of experimentally shocked silicate minerals ..... 78(3/4): 229–244
Czamanske, G.K., see Klock, P.R. et al. ..... 54(1/2): 157–163
Czechowski, F., see Bonnett, R. et al. ..... 91(2): 193–206

D'Angela, D. and Longinelli, A., Oxygen isotopes in mammal bone phosphate: measurements on fossils ..... 70(1/2): 204
D'Angela, D. and Longinelli, A., Oxygen isotopes in living mammal's bone phosphate: Further results ..... *86(1): 75– 82
d'Angelo, W.M., see Roedder, E. et al. ..... 61(1/4): 79– 90
d'Anglejan, B., see Lucotte, M. and d'Anglejan, B. ..... 67(1/2): 75– 83
D'Arco, Ph., Lagache, M. and Piriou, B., Distribution of Eu^{3+} between anorthite and hydrothermal Cl-bearing fluid at 600°C and 1.3 kbar ..... 70(1/2): 159
Dabard, M.-P., see Bonjour, J.-L. and Dabard, M.-P. ..... 91(3): 257–267
Dabard, M-P. and Paris, F., Palaeontological and geochemical characteristics of Silurian black shale formations from the Central Brittany Domain of the Armorican Massif (northwest France) ..... 55(1/2): 17– 29
Daddar, R.: Brown, J.R., see Kronberg, B.I. et al. ..... 68(3/4): 351–359

Dahan, N., see Guilhaumou, N. et al. ..... 61(1/4): 47– 53
Dahanayakae, K. and Subasinghe, S.M.N.D., Variable mineralogy and solubility of a terrestrial phosphorite resulting from differential weathering phenomena — An example from Sri Lanka ..... 84(1/4): 42– 44
Dahl, D.A., see Otto, J.B. et al. ..... *72(2): 173–179
Dahl, D.A., see Koepnick, R.B. et al. ..... *80(4): 327–349
Dahl, P.S., Harkness, B.M. and Maurath, G.C., Trace-element analysis of Mayan obsidian blades from Yucatan and Campeche Provinces, Mexico ..... 88(1/2): 163–167
Dai, T.M., see Chen, W.J. et al. ..... 71(4): 366
Dale, L.S., see Patterson, J.H. et al. ..... 55(1/2): 1– 16
Dale, L.S., see Patterson, J.H. et al. ..... 67(3/4): 327–340
Dall'aglio, M., Mercury in cold waters, thermal, geothermal and volcanic fluids from Italy ..... 70(1/2): 6
Dallmeyer, R.D., see Reuter, A. and Dallmeyer, R.D. ..... *66(1/2): 73– 88
Damasceno, R.N., see Kornicker, W.A. et al. ..... 53(3/4): 229–236
Damon, P., see Matheney, R.K. et al. ..... *86(1): 29– 47
Damon, P., see Asmerom, Y. et al. ..... *87(3/4): 167–173
Dandurand, J.L., see Schott, J. et al. ..... 70(1/2): 164
Dandurand, J.L., see Estrada Maldonado, C.F. et al. ..... 97(1/2): 113–123
Daněk, V. and Ličko, T., Thermodynamic model and physco-chemical properties of silicate melts ..... 96(3/4): 439–447
Danielsen, E., see Kritz, M. et al. ..... 70(1/2): 96
Danielsen, E.F., see Kritz, M.A. et al. ..... 70(1/2): 100
Danielson, A., Möller, P. and Dulski, P., The Europium anomalies in banded iron formations and the thermal history of the oceanic crust ..... 97(1/2): 89–100
Darling, W.G. and Ármannsson, H., Stable isotope aspects of fluid flow in the Krafla, Námafjall and Theistareykir geothermal systems of northeast Iceland ..... 76(3/4): 197–213
Darragi, F. and Tardy, Y., Authigenic trioctahedral smectites controlling pH, alkalinity, silica and magnesium concentrations in alkaline lakes ..... 63(1/2): 59– 72
Das, B.K., Geochemistry and petrogenesis of granitoids of Himalaya, India ..... 70(1/2): 6
Das, H.A., see Comans, R.N.J. et al. ..... 70(1/2): 195
Dasch, E.J., Ryder, G. and Nyquist, L.E., Age of lunar crust and earliest volcanism ..... 70(1/2): 7
Dautel, D., see Albarède, F. and Dautel, D. ..... 70(1/2): 194
Dautria, J.M., Dostal, J., Dupuy, C. and Liotard, J.M., Geochemistry and petrogenesis of alkali basalts from Tahalra (Hoggar, Northwest Africa) ..... 69(1/2): 17– 35
Daux, V., see Crovisier, J.-L. and Daux, V. ..... 84(1/4): 261–263
Davidson, J.P., see Halliday, A.N. et al. ..... 92(1/3): 107–114
Davidson, M.R., see Dickson, B.L. and Davidson, M.R. ..... *58(1/2): 83– 88
Davies, G.R., Pearson, D.G. and Nixon, P.H., Recycled oceanic lithosphere in the Beni Bousera peridotite massif, Morocco ..... 70(1/2): 47
Davies, J., see Buat-Menard, P. et al. ..... 70(1/2): 194
Davies, J.F., see Whitehead, R.E.S. et al. ..... *86(1): 49– 63
Davies, J.F., see Whitehead, R.E.S. et al. ..... 98(1/2): 87–101
Davis, A.M., see Lu, F.-Q. et al. ..... 75(1/2): 123–143
Davis, A.S., see Vallier, T.L. et al. ..... 91(3): 227–256
Davis, D.W., see Corfu, F. et al. ..... 70(1/2): 142
Davis, S.N, see Fabryka-Martin, J. et al. ..... *72(1): 7– 16
Dawson, J.B., see Rousseau, D. et al. ..... 70(1/2): 46
De Barros Machado, A., On the origin and age of the Steep Rock buckshot, Ontario, Canada ..... 60(1/4): 337–349
De Carlo, E.H. and McMurtry, G.M., Rare-earth elemental geochemistry of ferromanganese crusts from the Hawaiian Archipelago, central Pacific ..... 95(3/4): 235–250
De Carlo, E.H., see Koeppenkastrop, D. and De Carlo, E.H. ..... 95(3/4): 251–263
De Corte, F., Van den haute, A., De Wispelaere, A. and Jonckheere, R., Calibration of the fission-track dating method: Is Cu useful as an absolute thermal neutron influence monitor? ..... *86(3): 187–194
De Corte, F., see Van den haute, P. et al. ..... *73(3): 233–244
De Deckker, P., see Norman, M.D. and De Deckker, P. ..... 82(3/4): 299–318
De Francesco, A.M., see Crisci, G.M. et al. ..... 78(1): 15– 33
De Kersabiec, A.-M., see Boulègue, J. et al. ..... 84(1/4): 352–353
de Klerk, W.J., see Eales, H.V. et al. ..... 88(3/4): 261–278
De la Boisse, H., see Briqueu, L. and De la Boisse, H. ..... 88(1/2): 69– 83
De Laeter, J.R., see Loss, R.D. et al. ..... 76(1/2): 71– 84
De Lange, G.J., see Van der Weijden, C.H. et al. ..... 70(1/2): 19
De Lange, G.J., see Van der Weijden, C.H. et al. ..... 70(1/2): 199
De Leeuw, J.W., see Ten Haven, H.L. et al. ..... 64(1/2): 149–167

De Min, A., see Piccirillo, E.M. et al. ..... 89(1/2): 19– 48
De Min, A., see Bellieni, G. et al. ..... 97(1/2): 9– 32
De Mulder, M., Hertogen, J., Deutsch, S. and André, L., The role of crustal contamination in the potassic suite of the Karisimbi Volcano (Virunga, African Rift Valley) ..... 57(1/2): 117–136
De Oliveira, J.J., see Marker, A. and De Oliveira, J.J. ..... 84(1/4): 373–374
De Vivo, B., see Bellanca, A. et al. ..... 61(1/4): 209–216
De Wispelaere, A., see De Corte, F. et al. ..... *86(3): 187–194
De Wit, M.J. and Tredoux, M., PGE in the 3.5 Ga Jamestown ophiolite complex, Barberton greenstone belt, with implications for PGE distribution in simatic lithosphere ..... 70(1/2): 148
De Wit, M.J., see Tredoux, M. et al. ..... 70(1/2): 121
De Wit, M.J., see Hart, R.J. et al. ..... 82(1/2): 21– 50
Deal, R.J.E., see Milton, G.M. et al. ..... 71(4): 369
Deblond, A., see Roelandts, I. and Deblond, A. ..... 95(1/2): 167–176
Deboffle, D., see Yiou, F. et al. ..... 70(1/2): 178
Decarreau, A., Badaut, D. and Blanc, G., Origin and temperature formation of Fe-rich clays from Atlantis II deep deposits (Red Sea). An oxygen isotopic geochemistry approach ..... 84(1/4): 363–364
Decarreau, A., see Labeyrie, L.D. et al. ..... 70(1/2): 185
Decarreau, A., see Mosser, C. et al. ..... 84(1/4): 281–282
Deck, B.L., see Herczeg, A.L. et al. ..... *72(2): 181–196
Defant, M.J. and Ragland, P.C., Recognition of contrasting magmatic processes using SB-systematics: An example from the western Central Luzon arc, The Philippines ..... 67(3/4): 197–208
Defelice, T.P. and Saxena, V.K., Temporal and spatial distribution of ionic composition and acidity in clouds: Comparison between modeling results and observation ..... 70(1/2): 104
Degens, E.T., see Kempe, S. and Degens, E.T. ..... 53(1/2): 95–108
Deino, A., see Odin, G.S. et al. ..... *86(3): 203–224
Dekkers. M.J., *Kimberlites, Vol. I: Kimberlites and Related Rocks;* and *Vol. II: The Mantle and Crust–Mantle Relationships* by J. Kornprobst (Editor) (Book Review) ..... 54(1/2): 183–184
Del Marmol, M.-A. and Marsh, B.D., Merapi volcano, Central Java, Indonesia: Petrology and geochemistry . 70(1/2): 86
Del Moro, A., see Rottura, A. et al. ..... 92(1/3): 153–176
Del Nero, M. and Fritz, B., Thermodynamic modelling of the influence of water activity on the gibbsite–kaolinite–quartz system in lateritic weathering conditions ..... 84(1/4): 45– 48
Delafontaine, M., see Smith, H.S. et al. ..... *73(3): 211–220
Delaney, M.L., Uptake of cadmium into calcite shells by planktonic foraminifera ..... 78(2): 159–165
DeLaune, R.D., The use of $\delta^{13}C$ signature of C-3 and C-4 plants in determining past depositional environments in rapidly accreting marshes of the Mississippi River deltaic plain, Louisiana, U.S.A. ..... *59(4): 315–320
Delbove, F., Lebedev, E.B. and Robert, M., Partitioning ..... 70(1/2): 86
Delbove, F., Lebedev, E.B. and Robert, M., Experimental partitioning of Cl between aqueous fluids and aluminosilicate melts: effect of Na, K, Ca measurement of the heat of dissolution of NaCl at infinite dilution in liquid $NaAlSi_6O_{14}$ ($+H_2O$) ..... 70(1/2): 159
Delbrouck-Habaru, J.M., see Roelandts, I. et al. ..... 54(1/2): 35– 42
Delhal, J., Deutsch, S. and Denoiseux, B., A Sm–Nd isotopic study of heterogeneous granulites from the Archean Kasai–Lomami gabbro–norite and charnockite complex (Zaire, Africa) ..... 57(1/2): 235–245
Della Mea, G., see Petit, J.-C. et al. ..... 70(1/2): 81
Della Mea, G., see Petit, J-C. et al. ..... 76(3/4): 365–369
Della Mea, G., see Petit, J.-C. et al. ..... 78(3/4): 219–227
Delmas, R.J., Background aerosol composition changes in the past inferred from ice core studies ..... 70(1/2): 96
Delmont, P., see Parra, M. et al. ..... 54(1/2): 165–176
Delmore, J.E., see Loss, R.D. et al. ..... 76(1/2): 71– 84
Delorme, H., see Javoy, M. et al. ..... 57(1/2): 41– 62
Delorme, H., see Zimmermann, J.L. et al. ..... 61(1/4): 299–308
Delorme, H., see Toutain, J.P. et al. ..... 70(1/2): 155
Deloule, E. and Turcotte, D.L., The flow of hot brines in cracks and the formation of Mississippi Valley type ore deposits ..... 70(1/2): 134
Delvigne, J., Hypogene and supergene alterations of orthopyroxene in the Koua Bocca ultramafic intrusion, Ivory Coast ..... 84(1/4): 49– 53
Demaiffe, D., Weis, D., Michot, J. and Duchesne, J.C., Isotopic constraints on the genesis of the Rogaland anorthositic suite (southwest Norway) ..... 57(1/2): 167–179
Demaiffe, D., see Wilmart, E. et al. ..... 70(1/2): 134
Demaiffe, D., see Hertogen, J. et al. ..... 70(1/2): 153
Demas, C., see Simon, N.S. et al. ..... 100(3/4): 175–189
Den Baars, V., see Oostindiër, J. et al. ..... 70(1/2): 136

Deniel, C., ^{230}Th–^{238}U Radioactive disequilibrium in some differentiated lavas from Piton Des Neiges (Réunion Island) ... 70(1/2): 126
Denison, J.R., see Coveney, Jr., R.M. et al. ... 99(1/3): 101–114
Denison, R.E., see Koepnick, R.B. et al. ... *58(1/2): 55– 81
Denison, R.E., see Koepnick, R.B. et al. ... *80(4): 327–349
Dennebouy, R., see Lorin, J.C. et al. ... 70(1/2): 25
Denoiseux, B., see Delhal, J. et al. ... 57(1/2): 235–245
Denton, G., see Kurz, M.D. et al. ... 70(1/2): 39
Dereppe, J.M., see Landais, P. et al. ... 70(1/2): 188
Derry, L.A. and Jacobsen, S.B., The chemical evolution of Precambrian seawater: REE and isotopic data ... 70(1/2): 142
Des Marais, D.J., Stallard, M.L., Nehring, N.L. and Truesdell, A.H., Carbon isotope geochemistry of hydrocarbons in the Cerro Prieto geothermal field, Baja California Norte, Mexico ... 71(1/3): 159–167
Desilets, M.O., see Lechler, P.J. and Desilets, M.O. ... 63(3/4): 341–344
Desilets, M.O., see Lechler, P.J. and Desilets, M.O. ... 85(3/4): 305–309
Desmons, J., Different metamorphic evolutions in the Alpine–Apenninic ophiolites (France–Italy–Switzerland–Austria) ... 77(3/4): 229–250
Desprairies, A., see Claparols, C. et al. ... 84(1/4): 360–362
Deutsch, A., see Buhl, D. et al. ... 70(1/2): 66
Deutsch, S., see André, L. et al. ... 57(1/2): 101–115
Deutsch, S., see De Mulder, M. et al. ... 57(1/2): 117–136
Deutsch, S., see Delhal, J. et al. ... 57(1/2): 235–245
Deutsch, Y., see Yariv, S. et al. ... 68(3/4): 199–206
Dever, L. and Durand, R., The isotopic and chemical composition of secondary calcite in saturated zone as palaeoclimatic indicators ... 70(1/2): 114
Dever, L., Fontes, J.Ch. and Riché, G., Isotopic approach to calcite dissolution and preparation in soils under semi-arid conditions ... *66(3/4): 307–314
Devey, C.W., Mapping present-day geochemical variations across the Society hotspot ... 70(1/2): 47
Devi, S.U., see Manghnani, M.H. et al. ... 70(1/2): 63
Devine, S.D., see Ikeya, M. et al. ... 56(3/4): 185–192
Dhannoun, H.Y. and Al-Dabbagh, S.M.A., Origin and chemistry of palygorskite-bearing rocks (middle Eocene) from northeast Iraq ... 69(1/2): 95–101
Dhannoun, H.Y. and Al-Dabbagh, S.M.A., The distribution of Fe, Mn, Ni, Cr and Co between the acid-soluble and Fe-oxides and -hydroxides and matrix fractions of the Gercus red-beds of northeast Iraq ... 82(1/2): 57– 68
Dhannoun, H.Y., Al-Dabbagh, S.M.A. and Hasso, A.A., The geochemistry of the Gercus red bed formation of northeast Iraq ... 69(1/2): 87– 93
Dhople, V.M., see Bhosle, N.B. and Dhople, V.M. ... 67(3/4): 341–352
Di Donato, G. and Loubet, M., Mid Atlantic ridge peridotites (from ODP Leg 109) geochemical compositions and conditions of partial melting of the upper mantle at slow spreading ridges ... 70(1/2): 153
Di Donato, G., see Loubet, M. et al. ... 70(1/2): 53
Dia, A. and Allègre, C.J., Chemical evolution of Canadian crust since Archean ... 70(1/2): 67
Dia, A., Manhès, G., Dupré, B. and Allègre, C.J., Cretaceous–Tertiary boundary and U–Pb systematics ... 70(1/2): 118
Dia, A., Manhès, G., Dupré, B. and Allègre, C.J., The Cretaceous–Tertiary boundary problem: An assessment from lead isotope systematics ... 75(4): 291–304
Diamond, L.W., Jackman, J.A. and Charoy, B., Cation ratios of fluid inclusions in a gold–quartz vein at Brusson, Val d'Ayas, northwestern Italian Alps: Comparison of bulk crush–leach results with SIMS analyses of individual inclusions ... 90(1/2): 71– 78
Dickin, A.P., McNutt, R.H. and Marcantonio, F., Archean, Penokian (1.9 Ga) and Grenville (1.2 Ga) crustal extraction events recorded in the Greenville Province of Ontario ... 70(1/2): 67
Dickin, A.P., Richardson, J.M. and McNutt, R.H., A "solid spike" method for Re–Os analysis of acid-resistant minerals enriched in platinum-group elements (PGE) ... 70(1/2): 179
Dickin, A.P., McNutt, R.H. and Clifford, P.M., A neodymium isotope study of plutons near the Grenville Front in Ontario, Canada ... 83(3/4): 315–324
Dickin, A.P., Halliday, A.N. and Bowden, P., A Pb, Sr and Nd isotope study of the basement and Mesozoic ring complexes of the Jos Plateau, Nigeria ... *94(1): 23– 32
Dickin, A.P., see Marcantonio, F. et al. ... 70(1/2): 68
Dickin, A.P., see Leat, P.T. et al. ... 81(1/2): 23– 43
Dickin, A.P., see Marcantonio, F. et al. ... 83(3/4): 297–314
Dickinson, W.R., see Asmerom, Y. et al. ... *87(3/4): 167–173
Dickinson, W.W., An oxygen isotope model for interpreting carbobate diagenesis in nonmarine rocks (Green River basin, Wyoming, U.S.A.) ... *65(2): 103–116
Dickson, B.L. and Davidson, M.R., Interpretation of $^{234}U/^{238}U$ activity ratios in groundwaters ... *58(1/2): 83– 88

Dickson, B.L. and Herczeg, A.L., Naturally-occurring radionuclides in acid–saline groundwaters around Lake Tyrrell, Victoria, Australia ..... 96(1/2): 95–114
Dickson, B.L. and Herczeg, A.L., Deposition of trace elements and radionuclides in the spring zone, Lake Tyrrell, Victoria, Australia ..... 96(1/2): 151–166
Dickson, B.L., see Giblin, A.M. and Dickson, B.L. ..... 96(1/2): 133–149
Diethelm, K., see Von Blanckenburg, F. et al. ..... 70(1/2): 4
Dietz, N., see Bradley, J.P. et al. ..... 70(1/2): 30
Dill, H., Teschner, M. and Wehner, H., Petrography, inorganic geochemistry of Lower Permian carbonaceous fan sequences ("Brandschiefer Series") — Federal Republic of Germany: Constraints to their paleogeography and assessment of their source rock potential ..... 67(3/4): 302–325
Dill, H., see Carl, C. and Dill, H. ..... *52(3/4): 295–316
Dimitrakopoulos, R. and Muehlenbachs, K., Biodegradation of petroleum as a source of ^{13}C-enriched carbon dioxide in the formation of carbonate cement ..... *65(3/4): 283–291
Dimroth, E., A mass balance between Archean and Phanerozoic rates of magma emplacement, crustal growth and erosion: implications for recycling of the continental crust ..... 53(1/2): 17– 24
Dinalankara, D.M.S.K., see Dissanayake, C.B. et al. ..... 68(1/2): 121–128
Dingwell, D.B., Effects of structural relaxation on cationic tracer diffusion in silicate melts ..... 82(3/4): 209–216
Dingwell, D.B., Brearley, M. and Virgo, D., The dual role of ferric iron in liquid silicates: effects on density and viscosity ..... 70(1/2): 86
Dingwell, D.B., see Bottinga, Y. et al. ..... 96(3/4): ii–iii
Dingwell, D.B., see Holtz, F. et al. ..... 96(3/4): 289–302
Dissanayake, C.B., Metals in a lateritic peat deposit — A case study from Sri Lanka ..... 60(1/4): 137–143
Dissanayake, C.B. and Weerasooriya, S.V.R., Fluorine as an indicator of mineralization — Hydrogeochemistry of a Precambrian mineralized belt in Sri Lanka ..... 56(3/4): 257–270
Dissanayake, C.B. and Rupasinghe, M.S., Gold–graphite association in granulite terrains — Implications for ore genesis ..... 97(3/4): 265–272
Dissanayake, C.B., Gunawardena, R.P. and Dinalankara, D.M.S.K., Trace elements in vein graphite of Sri Lanka ..... 68(1/2): 121–128
Dissanayake, C.B., see Rupasinghe, M.S. and Dissanayake, C.B. ..... 53(1/2): 1– 16
Dissanayake, C.B., see Tazaki, K. et al. ..... 60(1/4): 151–162
Dissanayake, C.B., see Senaratne, A. and Dissanayake, C.B. ..... 75(3): 183–190
Ditchburn, R.G., see Whitehead, N.E. et al. ..... *94(4): 247–260
Divakara Rao, V., see Subba Rao, M.V. and Divakara Rao, V. ..... 69(1/2): 37– 48
Dmitriev, L., see Bienvenu, P. et al. ..... 70(1/2): 152
Dmitriev, L., see Bienvenu, P. et al. ..... 82(1/2): 1– 14
Dobretsov, N.L. and Zonenshain, L.P., The evolution of pre-Mesozoic in Northern Eurasia: A comparative review ..... 77(3/4): 323–330
Dobrovolsky, E.V., Physico-chemical mechanisms of weathering processes and corresponding models of dynamics of mineral zonality evolution ..... 60(1/4): 89– 94
Dobson, G., Ward, D.M., Robinson, N. and Eglinton, G., Biogeochemistry of hot spring environments: Extractable lipids of a cyanobacterial mat ..... 68(1/2): 155–179
Dodson, M.H., see Avigour, A. et al. ..... 82(1/2): 69– 81
Doe, B.R. and Ayuso, R.A., Towards a method to estimate the lead and cobalt contents of anoxic oceans ... 70(1/2): 195
Dohert, W.D., see Melfi, A.J. et al. ..... 84(1/4): 375–376
Domine, F., see Landais, P. et al. ..... 70(1/2): 162
Donahue, D.J., see Jull, A.J.T. et al. ..... *66(1/2): 35– 40
Dongshan, Yi, see Bin, Zhao et al. ..... 70(1/2): 166
Donnelly, T.H., see Ferguson, J. et al. ..... *72(1): 63– 76
Donovan, B., see Brantley, S.L. and Donovan, B. ..... 84(1/4): 187–189
Dorn, R.I., Krinsley, D.H., Liu, T., Anderson, S., Clark, J., Cahill, Th.A. and Gill, T., Manganese-rich rock varnish does occur in Antarctica ..... 99(4): 289–298
Dörr, H. and Münnich, K.O., Soil ^{222}Rn as a tracer for gas transport in the unsaturated soil zone ..... 70(1/2): 97
Dörr, H., see Born, M. et al. ..... 70(1/2): 101
Dorrzapf, Jr., A.F., see Roedder, E. et al. ..... 61(1/4): 79– 90
Dosso, L., Boespflug, X., Romeur, M., Turpin, L., Calvez, J.Y., Bougault, H. and Joron, J.L., Isotopic and trace element data on back-arc basalts from the South West Pacific basins and the Sunda Arc ..... 70(1/2): 47
Dostal, J., Dupuy, C., Nicollet, C. and Cantagrel, J.M., Geochemistry and petrogenesis of Upper Cretaceous basaltic rocks from southern Malagasy ..... 97(3/4): 199–218
Dostal, J., see Giraud, A. et al. ..... 57(3/4): 269–288
Dostal, J., see Dautria, J.M. et al. ..... 69(1/2): 17– 35
Dostal, J., see Dupuy, C. et al. ..... 77(1): 1– 18

Doublet, P., Javoy, M. and Pineau, F., Carbon, hydrogen and oxygen isotopes in a basaltic glass of the Massif Central (France) ... 70(1/2): 48
Douglas, A.G., see Gou Xuemin et al. ... 64(3/4): 181–195
Doukhan, J.C., see Cordier, P. and Doukhan, J.C. ... 70(1/2): 158
Doukhan, J.C., see Ingrin, J. and Doukhan, J.C. ... 70(1/2): 162
Douthitt, C.B., Boron in graphite: content, speciation, and significance ... 53(1/2): 129–133
Dove, P., see Crerar, D. et al. ... 70(1/2): 77
Dove, P.M., see Crerar, D.A. and Dove, P.M. ... 84(1/4): 301–304
Downes, H., Deformation and geochemical enrichment in spinel peridotites — evidence for mantle shear zones? ... 70(1/2): 48
Downes, H. and Duthou, J-L., Isotopic and trace-element arguments for the lower-crustal origin of Hercynian granitoids and pre-Hercynian orthogneisses, Massif Central (France) ... 68(3/4): 291–308
Downes, H., Dupuy, C. and Leyreloup, A.F., Crustal evolution of the Hercynian belt of Western Europe: Evidence form lower-crustal granulitic xenoliths (French Massif Central) ... 83(3/4): 209–231
Dowuona, G.N., Mermut, A.R. and Krouse, H.R., Isotopic composition of salt crusts in Saskatchewan, Canada *94(3): 205–213
Drake, M.J., Malvin, D.J. and Capobianco, C.J., Primordial differentiation of the earth: Ni, Co, Ir, and Au .. 70(1/2): 143
Drake, M.J., see Broadhurst, C.L. et al. ... 70(1/2): 36
Drake, R., see Odin, G.S. et al. ... *86(3): 203–224
Dran, J.-C., Langevin, Y. and Petit, J.-C., Uranium isotopic disequilibrium: reappraisal of the alpha-recoil effect ... 70(1/2): 126
Dran, J.-C., see Petit, J.-C. et al. ... 70(1/2): 81
Dran, J.-C., see Petit, J.-C. and Dran, J.-C. ... 70(1/2): 178
Dran, J.-C., see Petit, J.-C. et al. ... 78(3/4): 219–227
Dran, J.-C., see Clozel, B. et al. ... 84(1/4): 259–261
Dran, J.C., see Berger, G. et al. ... 70(1/2): 76
Dran, J.C., see Magonthier, M.C. et al. ... 70(1/2): 162
Dran, J-C., see Petit, J-C. et al. ... 76(3/4): 365–369
Dreibus, G. and Wänke, H., Chemistry and physics of the Martian interior derived from SNC-meteorites ... 70(1/2): 7
Drennan, G.R., see Robb, L.J. et al. ... 70(1/2): 147
Dreybrodt, W. and Buhmann, D., A mass transfer model for dissolution and precipitation of calcite from solutions in turbulent motion ... 90(1/2): 107–122
Dreybrodt, W., Buhmann, D., Michaelis, J. and Usdowski, E., Geochemically controlled calcite precipitation by CO_2 outgassing: Field measurements of precipitation rates in comparison to theoretical predictions ... 97(3/4): 285–294
Dreybrodt, W., see Buhmann, D. and Dreybrodt, W. ... 53(1/2): 109–124
Dreybrodt, W., see Baumann, J. et al. ... 53(3/4): 219–228
Dreybrodt, W., see Buhmann, D. and Dreybrodt, W. ... 64(1/2): 89–102
Dreybrodt, W., see Svensson, U. and Dreybrodt, W. ... 100(1/2): 129–145
Drimmie, R.J., see Fritz, P. et al. ... *79(2): 99–105
Dromgoole, E.L. and Walter, L.M., Iron and manganese incorporation into calcite: Effects of growth kinetics temperature and solution chemistry ... 81(4): 311–336
Druffel, E.R.M., Griffin, S.M. and Witter, A.E., Decade-to-century timescale variability in radiocarbon records from banded corals ... 70(1/2): 108
Dubessy, J. and Poty, B., Evidence of chemical equilibrium and disequilibrium in the C–O–H–N–S system from microRaman analysis of fluid inclusions ... 70(1/2): 78
Dubessy, J., see Landais, P. et al. ... 70(1/2): 160
Dubessy, J., see Barres, O. et al. ... 70(1/2): 178
Dubey, K.P., see Kango, R.A. et al. ... 64(1/2): 121–126
Dubińska, E., see Wiewióra, A. and Dubińska, E. ... 60(1/4): 185–197
Dubois, J.D., see Mazor, E. et al. ... *72(1): 47– 61
Duchesne, J.C., see Demaiffe, D. et al. ... 57(1/2): 167–179
Duchesne, J.C., see Wilmart, E. et al. ... 70(1/2): 134
Dudás, F.Ö., see Roddick, J.C. et al. ... 97(1/2): 1– 8
Duddy, I.R., Green, P.F. and Laslett, G.M., Thermal annealing of fission tracks in apatite, 3. Variable temperature behaviour ... *73(1): 25– 38
Duddy, I.R., see Green, P.F. et al. ... *59(4): 237–253
Duddy, I.R., see Laslett, G.M. et al. ... *65(1): 1– 13
Duddy, I.R., see Green, P.F. et al. ... *79(2): 155–182
Dudoignon, P., Meunier, A., Caristan, Y., Gachon, A. and Bugues, D., Sea water/rock interaction during hydrothermal alteration of submarine basaltic flow at Mururoa Atoll (French Polynesia) ... 70(1/2): 159
Dudoignon, P., Meunier, A., Caristan, Y., Gachon, A. and Buigues, D., Hydrothermal alteration at Mururoa Atoll (Franch Polynesia): petrographic and isotropic data ... 70(1/2): 183

Dudoignon, P., Meunier, A., Beaufort, D., Gachon, A. and Buigues, D., Hydrothermal alteration in Mururoa Atoll (French Polynesia) ..... 76(3/4): 385–401
Dudoignon, P., see Parneix, J.C. et al. ..... 51(1/2): 89–101
Dudoignon, P., see Scopel, R. et al. ..... 84(1/4): 249–250
Dueñas, C., Fernandez, M.C. and Senciales, M., Usefulness of the Rn, decay products of Rn and ThB in order to study the diffusion of matter in the lower atmosphere near the discontinuity sea–earth ..... 70(1/2): 97
Dugal, J.J.B., see Kamineni, D.C. et al. ..... 54(1/2): 97–111
Dujon, S.C., Hydrothermal dissolution and crystallization of feldspars. Experimental data between 500 and 800°C, 100 and 300 MPa. Influence of salinity and boiling ..... 70(1/2): 160
Dujon, S.C., see Copreaux, J. et al. ..... 70(1/2): 158
Duke M.J.M., see Nutman, A.P. et al. ..... 70(1/2): 143
Dulac, F., see Bergametti, G. et al. ..... 70(1/2): 94
Dulski, P., see Danielson, A. et al. ..... 97(1/2): 89–100
Dumon, J.C., see Parra, M. et al. ..... 54(1/2): 165–176
Duncan, A.R., see Harris, Ch. et al. ..... 70(1/2): 56
Duncan, A.R., see Erlank, A.J. et al. ..... 70(1/2): 202
Duncan, A.R., see Sweeney, R.J. et al. ..... 70(1/2): 203
Dunn, T. and Scarfe, C.M., Variation of the chemical diffusivity of oxygen and viscosity of an andesite melt with pressure at constant temperature ..... 54(3/4): 203–215
Duplay, J. and Buatier, M., The problem of differentiation of glauconite and celadonite ..... 84(1/4): 264–266
Duplessy, J.C., Arnold, M., Shackleton, N.J., Kallel, N. and Labeyrie, L., Changes in the rate of ventilation of intermediate and deep water masses in the Pacific Ocean during the last deglaciation ..... 70(1/2): 108
Duplessy, J.C., see Labeyrie, L.D. et al. ..... 70(1/2): 109
Dupont, L.M. and Mook, W.G., Palaeoclimate analysis of $^{2}H/^{1}H$ ratios in peat sequence with variable plant composition ..... *66(3/4): 323–333
Dupré, B. and Arndt, N.T., Pb isotopic compositions of Archean komatiites and sulfides ..... 85(1/2): 35– 56
Dupré, B., Lewin, E., Ragnarsdottir, V. and Allègre, C.J., Relationship between isotopic variations and geographical distribution of MORBs and OIBs–CABs ..... 70(1/2): 48
Dupré, B., see Allègre, C.J. et al. ..... 56(3/4): 219–227
Dupré, B., see Hamelin, B. et al. ..... 68(3/4): 229–238
Dupré, B., see Dia, A. et al. ..... 70(1/2): 118
Dupré, B., see Blanc, G. et al. ..... 70(1/2): 133
Dupré, B., see Fourel, F. et al. ..... 70(1/2): 134
Dupré, B., see Allègre, C.J. et al. ..... 70(3): 211–234
Dupré, B., see Dia, A. et al. ..... 75(4): 291–304
Dupree, R., see Kohn, S.C. et al. ..... 96(3/4): 399–409
Dupuy, C., Barsczus, H.G., Dostal, J., Vidal, P. and Liotard, J.-M., Subducted and recycled lithosphere as the mantle source of ocean basalts from southern Polynesia, central Pacific ..... 77(1): 1– 18
Dupuy, C., see Giraud, A. et al. ..... 57(3/4): 269–288
Dupuy, C., see Dautria, J.M. et al. ..... 69(1/2): 17– 35
Dupuy, C., see Rocaboy, A. et al. ..... 70(1/2): 56
Dupuy, C., see Bodinier, J.L. et al. ..... 70(1/2): 152
Dupuy, C., see Potts, P.J. et al. ..... 83(1/2): vi
Dupuy, C., see Downes, H. et al. ..... 83(3/4): 209–231
Dupuy, C., see Briot, D. et al. ..... 89(3/4): 281–303
Dupuy, C., see Dostal, J. et al. ..... 97(3/4): 199–218
Durand, R., see Dever, L. and Durand, R. ..... 70(1/2): 114
Durrheim, R., see Hart, R.J. et al. ..... 83(3/4): 233–248
Duthie, D.M.L., see Bain, D.C. et al. ..... 84(1/4): 23– 24
Duthou, J.-L., see Pin, C. and Duthou, J.-L. ..... 83(3/4): 281–296
Duthou, J.L., see Pin, C. and Duthou, J.L. ..... 70(1/2): 68
Duthou, J-L., see Downes, H. and Duthou, J-L. ..... 68(3/4): 291–308
Dutta, P.K., In search of the origin of cement in siliciclastic sandstones: An isotopic approach ..... *52(3/4): 337–348
Dymond, J., see Hart, R. et al. ..... *52(1): 45– 73

Eales, H.V., de Klerk, W.J. and Teigler, B., Evidence for magma mixing processes within the Critical and Lower Zones of the northwestern Bushveld Complex, South Africa ..... 88(3/4): 261–278
Eapen, C.D., see Rangarajan, C. and Eapen, C.D. ..... 70(1/2): 103
Earle, E.D., see Milton, G.M. et al. ..... 71(4): 369
Easterbrook, D.J., see Berger, G.W. et al. ..... *87(1): 21– 37

Eaton, A.N., Hutton, R.C., Belton, P. and Gregson, D., Extended dynamic range ICP–MS — elemental analysis from ppb to percent ..... 70(1/2): 174
Eaton, A.N., Hutton, R.C. and Holland, J.G., Application of flow injection sample introduction to inductively coupled plasma–mass spectrometry for geochemical analysis ..... 95(1/2): 63– 71
Eberz, G.W., Nicholls, I.A., Maas, R., McCulloch, M.T. and Whitford, D.J., The Nd- and Sr-isotopic composition of I-type microgranitoid enclaves and their host rocks from the Swifts Creek Pluton, southeast Australia ..... 85(1/2): 119–134
Economou-Eliopoulos, M. and Paraskevopoulos, G.M., Platinum-group elements and gold in komatiitic rocks from the Agrilia Formation, Othrys ophiolite complex, Greece ..... 77(2): 149–158
Edmunds, W.M., see Fontes, J.Ch. et al. ..... 71(4): 367
Edwards, C.M.H., A multi-component evolutionary history for the high K–low K volcanic rocks of Muriah, Indonesia ..... 70(1/2): 48
Egeberg, P.K. and Saigal, G.C., North Sea chalk diagenesis: cementation of chalks and healing of fractures .. 92(4): 339–354
Eggleton, R.A., see Taylor, G. et al. ..... 84(1/4): 183–184
Eglinton, G., see Cassani, F. and Eglinton, G. ..... 56(3/4): 167–183
Eglinton, G., see Dobson, G. et al. ..... 68(1/2): 155–179
Eglinton, G., see Robinson, N. et al. ..... 76(1/2): 153–173
Eglinton, G., see Marlowe, I.T. et al. ..... 88(3/4): 349–375
Eglinton, G., see Standen, G. et al. ..... 91(4): 297–313
Eglinton, G., see Cassani, F. and Eglinton, G. ..... 91(4): 315–333
Eglinton, G., see Zeng, Y.B. et al. ..... 95(3/4): 327–345
Eglinton, G., see Zeng, Y.B. et al. ..... 95(3/4): 347–360
Eglinton, G., see Standen, G. and Eglinton, G. ..... 97(3/4): 307–320
Ehlers, K., see El Coresy, A. and Ehlers, K. ..... 70(1/2): 31
Ehomas, F., Garcon, V. and Minster, J.F., Modeling the seasonal cycle of sissolved O_2 in the upper ocean at O.W.S.P. ..... 70(1/2): 198
Eikenberg, J., Signer, P. and Baur, H., Nucleogenic Ne and Ar pitchblendes ..... 70(1/2): 36
Eisenberg, N.A., Natural analogues and validation of performance assessment models ..... 55(3/4): 189–201
Eisenbud, M., see Lei, W. et al. ..... 55(3/4): 313–322
Eisenhauer, A., see Mangini, A. et al. ..... 70(1/2): 110
Ejeckam, R.B., see Kamineni, D.C. et al. ..... 54(1/2): 97–111
Ekambaram, V., Brookins, D.G., Rosenberg, P.E. and Emanuel, K.M., Rare-earth element geochemistry of fluorite–carbonate deposits in western Montana, U.S.A. ..... 54(3/4): 319–331
El Coresy, A. and Ehlers, K., Critical review of the sphalerite cosmo-barometer ..... 70(1/2): 31
El Ghobary, H. and Latouche, C., Distribution of certain metals in lithochemical fractions of sediments from the Arcachon basin, southwest France: Authigenic mineral formation and pollution ..... 54(3/4): 295–309
El Goresy, A., see Caillet, C. et al. ..... 70(1/2): 30
El-Daoushy, F., see Van der Wijk, A. et al. ..... *59(4): 283–292
Elderfield, H and Yang, Y., Glacial/interglacial fluctuations of uranium and thorium isotope fluxes in the Panama Basin ..... 70(1/2): 109
Elderfield, H., see Gieskes, J.M. et al. ..... 63(1/2): 143–155
Elderfield, H., see German, C.R. and Elderfield, H. ..... 70(1/2): 195
Elderfield, H., see German, C.R. and Elderfield, H. ..... 70(1/2): 196
Elias, P., see Muecke, G.K. et al. ..... *73(2): 153–167
Ellam, R.M. and Cox, K.G., A Proterozoic mantle isochron from Karoo picrites ..... 70(1/2): 49
Ellam, R.M., Hawkesworth, C.J., Ormerod, D.S. and Rogers, N.W., Rb/Sr and U/Pb fractionation in subduction-related process: Implications for mantle evolution ..... 70(1/2): 49
Ellam, R.M., Hawkesworth, C.J. and McDermott, F., Pb isotope data from late Proterozoic subduction-related rocks: Implications for crust–mantle evolution ..... 83(3/4): 165–181
Ellam, R.M., see Hawkesworth, R.M. et al. ..... 70(1/2): 69
Elliot, T., see McDermott, F. et al. ..... 70(1/2): 128
Ellis, K.M., see Smith, J.N. et al. ..... 63(1/2): 157–180
Elmore, D. and Kubik, P.W., Accelerator mass spectrometry: a new tool for geochemistry and cosmochemistry 70(1/2): 174
Elmore, D., see Fehn, U. et al. ..... 70(1/2): 135
Elmore, D., see Fabryka-Martin, J. et al. ..... *72(1): 7– 16
Elmore, R.D., see Gao, G. et al. ..... 98(3/4): 257–269
Elorza, J., see Boyce, A.J. et al. ..... 84(1/4): 354–356
Elrick, K.A. Callender, E., see Horowitz, A.J. and Elrick, K.A. Callender, E. ..... 67(1/2): 17– 33
Elston, W.E., *Explosive Volcanism* by M.F. Sheridan and F. Barberi (Editors) (Book Review) ..... 51(1/2): 155–156
Emanuel, K.M., see Ekambaram, V. et al. ..... 54(3/4): 319–331

Engel, M.H., Macko, S.A. and Leythaeuser, D., The potential application of stable isotopes for distinguishing indigenous versus migrated hydrocarbons in a mature shale/sandstone sequence ..... 93(1/2): 47– 59
Engel, M.H., see Macko, S.A. et al. ..... 93(1/2): 147–161
England, J., see Palacz, Z.A. et al. ..... 70(1/2): 177
Engleman, E.E., Jackson, L.L. and Norton, D.R., Determination of carbonate carbon in geological materials by coulometric tritation ..... 53(1/2): 125–128
Epstein, S., Oxygen and carbon isotopic compositions of gases respired by humans and plants ..... 70(1/2): 115
Epstein, S., The implication of the oxygen isotope records in coexisting cherts and phosphates ..... 70(1/2): 183
Epstein, S., see Liu, K-K. and Epstein, S. ..... *52(3/4): 398
Erdem, E., see Ergin, M. et al. ..... 91(3): 269–285
Erel, Y. and Katz, A., Trace-element distribution across calcite veins: A tool for genetic interpretation ..... 85(3/4): 361–367
Erel, Y., Patterson, C.C., Scott, M.J. and Morgan, J.J., Transport of industrial lead in snow through soil to stream water and groundwater ..... 85(3/4): 383–392
Erel, Y., see Shemesh, A. et al. ..... *94(4): 307–314
Ergin, M., Saydam, C., Baştürk, Ö., Erdem, E. and Yörük, R., Heavy metal concentrations in surface sediments from the two coastal inlets (Golden Horn Estuary and İzmit Bay) of the northeastern Sea of Marmara ... 91(3): 269–285
Ergin, M., see Yücesoy, F. and Ergin, M. ..... 99(4): 265–287
Ericksen, G.E., Hosterman, J.W. and St. Amand, P., Chemistry, mineralogy and origin of the clay-hill nitrate deposits, Amargosa River valley, Death Valley region, California, U.S.A. ..... 67(1/2): 85–102
Erlank, A.J., Duncan, A.R., Marsh, J.S., Sweeney, R.J., Hawksworth, C.J., Milner, S.C., Miller, R.McG. and Rogers, N.W., Major mantle heterogeneity in southern Gondwanaland ..... 70(1/2): 202
Erlank, A.J., see Harris, Ch. et al. ..... 70(1/2): 56
Erlank A.J., see Smith, H.S. et al. ..... 70(1/2): 148
Erlank, A.J., see Sweeney, R.J. et al. ..... 70(1/2): 203
Erlank, A.J., see Hawkesworth, C.J. et al. ..... 85(1/2): 19– 34
Ernesto, M., see Bellieni, G. et al. ..... 97(1/2): 9– 32
Eskenazy, G. and Minčeva, E., On the geochemistry of strontium in Bulgarian coals ..... 74(3/4): 265–276
Espinosa, A., see Spadea, P. et al. ..... 77(3/4): 303–321
Espitalié, J., see Kotarba, M. et al. ..... 64(3/4): 197–207
Espitalié, J., see Forbes, P. et al. ..... 71(4): 267–282
Esser, B., see Turekian, K.K. et al. ..... 84(1/4): 343
Esser, B.K., see Turekian, K.K. et al. ..... 71(4): 370
Estrada Maldonado, C.F., Giroir, G., Dandurand, J.L. and Schott, J., The dissolution of calcite in seawater from 40° to 90°C at atmospheric pressure and 35‰ salinity ..... 97(1/2): 113–123
Euwe, M.G., see Mitchell, J.G. and Euwe, M.G. ..... *72(2): 95–109
Evans, J., Quartz dissolution during shale diagenesis: Implications for quartz cementation in sandstones ..... 84(1/4): 239–240
Evans, J.R., see Kane, J.S. et al. ..... 78(1): 1– 14
Evans Jr, H.T., *Structure Determination by X-ray Crystallography* (2nd ed.) by M.F.C. Ladd and R.A. Palmer (Book Review) ..... 62(3/4): 333–334
Evans, W.R., see Jones, B.F. et al. ..... 84(1/4): 201–203
Exley, R.A., see Mattey, D.P. et al. ..... 70(1/2): 11
Ezat, U., see Buat-Menard, P. et al. ..... 70(1/2): 194

Faber, E., see Botz, R. et al. ..... 69(3/4): 299–308
Faber, E., see Berner, U. et al. ..... *94(4): 315–319
Fabre, A., see Bellon, H. et al. ..... *59(2/3): 155–161
Fabricius, J., Natural Na–K–Mg–Cl solutions and solid derivatives trapped in euhedral quartz from Danish Zechstein salt ..... 61(1/4): 95–112
Fabryka-Martin, J., Davis, S.N, Roman, D., Airey, P.L., Elmore, D. and Kubik, P.W., Iodine-129 and chlorine-36 in uranium ores, 2. Discussion of AMS measurements ..... *72(1): 7– 16
Fabryka-Martin, J., see Roman, D. and Fabryka-Martin, J. ..... *72(1): 1– 6
Fairbanks, R.G., see Bard, E. et al. ..... 84(1/4): 157–158
Falkner, K.K., Inductively coupled plasma mass spectrometry and its application to geochemistry ..... 70(1/2): 174
Fallick, A.E. and Barros, J.G., A stable-isotope investigation into the origin of beryl and emerald from the Porangatu deposits, Goias State, Brazil ..... *66(3/4): 293–300
Fallick, A.E., see Hall, A.J. et al. ..... *65(3/4): 305–310
Fallick, A.E., see McArthur, J.M. et al. ..... *65(3/4): 415–425
Fallick, A.E., see Baker, A.J. and Fallick, A.E. ..... 70(1/2): 140
Fallick, A.E., see Baker, A.J. and Fallick, A.E. ..... 71(4): 366
Fallick, A.E., see Baker, A.J. and Fallick, A.E. ..... 71(4): 366
Fallick, A.E., see Boyce, A.J. et al. ..... 84(1/4): 354–356

Fallick, A.E., see Macleod, G. et al. ... *86(4): 335–343
Fallick, A.E., see Hall, A.J. et al. ... *87(2): 99–114
Fallick, A.E., see Taylor, R.P. et al. ... *94(3): 215–227
Fan, S.-K., see Zhu, G.-Q. et al. ... 70(1/2): 149
Fanfani, L., see Caboi, R. et al. ... 70(1/2): 7
Fanfani, L., see Cidu, R. et al. ... 70(1/2): 153
Fanfani, L., see Cidu, R. et al. ... 84(1/4): 198–200
Fang, Z., Geochronology and Sr, O Isotope studies of granites in Hainan Island, China ... 70(1/2): 20
Fardy, J.J., see Patterson, J.H. et al. ... 55(1/2): 1– 16
Farges, F. and Calas, G., X.A.S. study of two incompatible elements (Zr, Th) in silicate glasses ... 70(1/2): 87
Farges, F., see Calas, G. et al. ... 70(1/2): 172
Farmer, D.E., see Holloway, R.W. and Farmer, D.E. ... 89(1/2): 201–207
Farnan, I., see Stebbins, J.F. et al. ... 96(3/4): 371–385
Farquhar, R.M., see Smith, P.E. et al. ... *94(4): 261–280
Farrar, E., see Baksi, A.K. et al. ... 63(1/2): 133–141
Farrenkothen, K., see Wan, G.J. et al. ... 63(3/4): 181–196
Farver, J.R. and Yund, R.A., Oxygen diffusion in quartz: Dependence on temperature and water fugacity ... 90(1/2): 55– 70
Farver, J.R., see Giletti, B.J. and Farver, J.R. ... 70(1/2): 183
Farver, J.R., see Giletti, B.J. et al. ... 70(1/2): 184
Fassett, J.D., see Walker, R.J. et al. ... 70(1/2): 180
Fassio, J.M., see Cummings, M.L. and Fassio, J.M. ... 84(1/4): 40– 41
Faure, G., Editorial ... *52(1): vi
Faure, G., The Crafoord Prize of 1986 (Announcement) ... *59(1): 1– 2
Faure, G. (Editor), Introduction to Special Issue "New Developments and Applications in Isotope Geoscience" ... *66(1/2): vii
Faure, G., Editorial ... *73(4): 273
Faure, G. and Botoman, G., $^{13}C/^{12}C$ ratios in calcite associated with heat-altered coals — Reply (Discussion) ... *59(4): 335–336
Faure, G., see Boger, P.D. et al. ... *65(1): 35– 44
Faure, G., see Lord, B.K. et al. ... *72(2): 163–171
Fedotov, S.A., Semet, M.P., Bogoyavlenskaya, G.E., Okrougin, V.M., Khrenov, A.P. and Joron, J.L., The Klyouchevskoy group of active volcanoes in central Kamtchatka: A unique geodynamical setting? ... 70(1/2): 73
Fee, J.A., Gaudette, H.E., Lyons, W.B. and Long, D.T., Rare-earth element distribution in Lake Tyrrell groundwaters, Victoria, Australia ... 96(1/2): 67– 93
Fegan, N.E., Long, D.T., Lyons, W.B., Hines, M.E. and Macumber, P.E., Metal partitioning in acid hypersaline sediments: Lake Tyrrell, Victoria, Australia ... 96(1/2): 167–181
Fegan, N.E., see Long, D.T. et al. ... 96(1/2): 33– 52
Fegan, N.E., see Long, D.T. et al. ... 96(1/2): 183–202
Fehn, U., Rich, B., Tullai, S., Kubik, P.W., Elmore, D. and Teng, R., Determination of ^{36}Cl and ^{129}I in waters from Cherry Hill, Ca, a gold-bearing, geothermal system ... 70(1/2): 135
Feichter, J., see Zimmermann, P.H. et al. ... 70(1/2): 105
Feigenson, M.D. and Carr, M.J., Determination of major, trace and rare-earth elements in rocks by DCP–AES ... 51(1/2): 19– 27
Feijtel, T.C., see Veldkamp, A. and Feijtel, T.C. ... 84(1/4): 142–144
Feldman, M.D., see Werner, M.L. et al. ... 74(1/2): 111–135
Feng, J., Zhai, M., see Zhi, X. et al. ... 88(1/2): 1– 33
Feng, R. and Kerrich, R., Geochemical evolution of granitoids from the Archean Abitibi Southern Volcanic Zone and the Pontiac subprovince, Superior Province, Canada: Implications for tectonic history and source regions ... 98(1/2): 23– 70
Feniet-Saigne, C., Carboxylic acids in Antarctic precipitation ... 70(1/2): 97
Feniet-Saigne, C., Methanesulphonic acid in Antarctic precipitation: its role in the local biogenic sulphur cycle ... 70(1/2): 97
Féraud, G., see Lo Bello, Ph. et al. ... *66(1/2): 61– 71
Ferdelman, T.G., see Green, W.J. et al. ... 76(1/2): 85– 94
Ferguson, J., Chambers, L.A., Donnelly, T.H. and Burne, R.V., Carbon and oxygen isotopic composition of a recent megapolygon–spelean limestone, Fisherman Bay, South Australia ... *72(1): 63– 76
Fernandes, S.M., see Leonardos, O.H. et al. ... 60(1/4): 111–119
Fernandez, M.C., see Dueñas, C. et al. ... 70(1/2): 97
Fernandez-Alonso, M., Lavreau, J. and Klerkx, J., Geochemistry and geochronology of the Kibaran granites in Burundi, Central Africa: Implications for the Kibaran orogeny ... 57(1/2): 217–234
Fernandez-Macarro, B. and Blanco-Sanchez, J.-A., The palygorskite-containing paleosols of the Talavan–Torejon el Rubio basin (Caceres, Spain): mineralogical and geochemical evolution ... 84(1/4): 54– 57
Fernex, F., Février, G., Bénaïm, J. and Arnoux, A., Copper, lead and zinc trapping in Mediterranean deep-sea sediments: probable coprecipitation with Mn and Fe ... 98(3/4): 293–306
Ferragne, A., see Parra, M. et al. ... 54(1/2): 165–176

Ferrini, V., see Calderoni, G. et al. ..... 51(1/2): 29– 39
Ferrini, V., see Calderoni, G. et al. ..... 67(1/2): 63– 74
Ferris, F.G., Fyfe, W.S. and Beveridge, T.J., Bacteria as nucleation sites for authigenic minerals in a metal-contaminated lake sediment ..... 63(3/4): 225–232
Ferris, F.G., Tazaki, K. and Fyfe, W.S., Iron oxides in acid mine drainage environments and their association with bacteria ..... 74(3/4): 321–330
Ferris, F.G., see Tazaki, K. et al. ..... 95(3/4): 313–325
Fesq, H.W., see Lee, C.A. and Fesq, H.W. ..... 62(3/4): 227–237
Février, G., see Fernex, F. et al. ..... 98(3/4): 293–306
Fichefet, Th., see Marsiat, I. et al. ..... 71(4): 368
Figueiredo, A.M., see Melfi, A.J. et al. ..... 84(1/4): 375–376
Filby, R.H. and Branthaver, J.F. (Guest-Editors), Preface to Special Issue "Trace Metals in Petroleum Geochemistry" ..... 91(2): iii
Filby, R.H., see Concha, M.A. et al. ..... 91(2): 153–168
Finger, F., see Liew, T.C. et al. ..... 76(1/2): 41– 55
Finlayson, E.J., Rock, N.M.S. and Golding, S.D., Deformation and regional carbonate metasomatism of turbidite-hosted Cretaceous alkaline lamprophyres (northwestern Papua New Guinea) ..... 69(3/4): 215–233
Fiore, S., Huertas, F. and Linares, J., Mineralogy and geochemistry of some "so-called" paleosols from Mt. Vulture volcano (southern Italy) ..... 99(4): 237–252
Fiore, S., see Caggionelli, A. et al. ..... 99(4): 253–263
Fioretti, A.M., see Bellieni, G. et al. ..... 92(1/3): 21– 43
Fischer, L.B., see Goldich, S.S. and Fischer, L.B. ..... *58(3): 195–215
Fischer, U.H. and Jury, J.W., A supersensitive detector for radon in water ..... 70(1/2): 98
Fischer, W., see Amossé, J. et al. ..... 81(1/2): 45– 53
Fisher, J.B. and Boles, J.R., Water–rock interaction in Tertiary sandstones, San Joaquin basin, California, U.S.A.: Diagenetic controls on water composition ..... 82(1/2): 83–101
Fitz Gerald, J.D., see Maboko, M.A.H. et al. ..... *86(2): 139–160
Fitzgerald, P.G. and Gleadow, J.W., Fission-track geochronology, tectonics and structure of the Transantarctic Mountains in northern Victoria Land, Antarctica ..... *73(2): 169–198
Fitzgerald, P.G., see Wagner, G.A. et al. ..... *79(4): 295–305
Fitzpatrick, R.W., see Milnes, A.R. et al. ..... 60(1/4): 237–250
Flehoc, C. and Villemant, B., Uranium enrichment processes and U–Th fractionation in the petrogenesis of K-rich magmas ..... 70(1/2): 126
Flehoc, C., see Villemand, B. and Flehoc, C. ..... 70(1/2): 129
Flemming, B.W., see Smith, H.S. et al. ..... *73(3): 211–220
Fletcher, I.R., Myers, J.S. and Ahmat, A.L., Isotopic evidence on the age and origin of the Fraser Complex, Western Australia: A sample of Mid-Proterozoic lower crust ..... *87(3/4): 197–216
Flexser, S., see Wollenberg, H.A. and Flexser, S. ..... 55(3/4): 345–359
Flicoteaux, R., Walter, A.-V., Bonnot-Courtois, C. and Toledo-Groke, M.-C., Transformation and precipitation of phosphates during weathering: Characterization by REE distributions ..... 84(1/4): 365–367
Flicoteaux, R., see Bonnot-Courtois, C. and Flicoteaux, R. ..... 75(4): 311–238
Flicoteaux, R., see Walter, A.-V. et al. ..... 84(1/4): 378–380
Flitsiane, S., Investigation and development of the package of the local analysis nuclear physics methods in geology and geochemistry ..... 70(1/2): 174
Flohr, M.J.K., see Huebner, J.S. et al. ..... 100(1/2): 93–118
Flower, M.F., see Seitz, M.G. et al. ..... 64(1/2): 109–119
Flower, M.F.J., Zhang, M., Tu, K., Chen, C.-Y. and Xie, G., Geochemistry of the Fushan Trough flood basalts, Hainan Island, south China ..... 70(1/2): 87
Flower, M.F.J., Zhang, M., Chen, C.-Y., Tu, K. and Xie, G., Magmatism in the South China Basin, 2. Post-spreading Quaternary basalts from Hainan Island, south China ..... 97(1/2): 65– 87
Flower, M.F.J., see Tu, K. et al. ..... 70(1/2): 57
Flower, M.F.J., see Tu, K. et al. ..... 97(1/2): 47– 63
Floyd, P.A., Kelling, G., Gökçen, S.L. and Gökçen, N., Geochemistry and tectonic environment of basaltic rocks from the Misis ophiolitic mélange, south Turkey ..... 89(3/4): 263–280
Fluck, J., see Mazor, E. et al. ..... *72(1): 47– 61
Fogel (Estep), M.L., see Macko, S.A. et al. ..... *65(1): 79– 92
Foland, K.A., *Noble Gas Geochemistry* by M. Ozima and F.A. Podosek (Book Review) ..... *58(4): 361
Foland, K.A., see Shea, M. and Foland, K.A. ..... 55(3/4): 281–295
Foley, S.F. and Wheller, G.E., Parallels in the origin of the geochemical signatures of island arc volcanics and continental potassic igneous rocks: The role of residual titanates ..... 85(1/2): 1– 18
Foley, S.F., see Taylor, W.R. and Foley, S.F. ..... 70(1/2): 160

Fontarnau, R., see Ayora, C. and Fontarnau, R. ..... 89(1/2): 135–148
Fontes, J.Ch., Andrews, J.N., Edmunds, W.M., Guerre, A. and Travi, Y., Relationship between surface palaeohydrology and groundwater recharge in northern Mali ..... 71(4): 367
Fontes, J.Ch., see Dever, L. et al. ..... *66(3/4): 307–314
Fontignie, D. and Schilling, J.-G., $^{87}Sr/^{86}Sr$ and REE variations along the Easter Microplate boundaries (south Pacific): Application of multivariate statistical analyses to ridge segmentation ..... 89(3/4): 209–241
Fontugne, M.R., see Calvert, S.E. and Fontugne, M.R. ..... *66(3/4): 315–322
Foose, M., see Klock, P.R. et al. ..... 54(1/2): 157–163
Forbes, P., Landais, P., Bertrand, P., Brosse, E., Espitalié, J. and Yahaya, M., Chemical transformations of type-III organic matter associated with the Akouta uranium deposit (Niger): Geological implications ..... 71(4): 267–282
Forbes, P., see Turpin, L. et al. ..... *87(3/4): 217–230
Ford, D.C., see Yonge, C.J. et al. ..... *58(1/2): 97–105
Ford, D.C., see Ghazban, F. et al. ..... *87(2): 137–146
Formoso, M.L.L., see Scopel, R. et al. ..... 84(1/4): 249–250
Forsberg, A., see Smalley, P.C. et al. ..... *65(3/4): 223–233
Forster, M., Moser, H., Ramm, K. and Hietel, B., Investigating the neutron-induced subsurface production of environmental isotopes ^{37}Ar, ^{39}Ar, ^{3}H and ^{36}Cl with neutron irradiation of aquifer material ..... *79(4): 325–332
Forster, M., Moser, H., Ramm, K. and Hietel, B., Investigating the neutron-induced subsurface production of environmental isotopes ^{37}Ar, ^{39}Ar, ^{3}H and ^{36}Cl with neutron irradiation of aquifer material (Erratum) .. *80(2): 179
Fort Gonzalez, R., see Bustillo Revuelta, M. et al. ..... 70(1/2): 5
Fort, R., see Bustillo, M. et al. ..... 97(3/4): 273–283
Foscolos, A.E., Goodarzi, F., Koukouzas, C.N. and Hatziyannis, G., Reconnaissance study of mineral matter and trace elements in Greek lignites ..... 76(1/2): 107–130
Fouillac, A.M., Fouillac, C., Cesbron, F., Pillard, F. and Legendre, O., Water–rock interaction between basalt and high-salinity fluids in the Asal Rift, Republic of Djibouti ..... 76(3/4): 271–289
Fouillac, C., see Criaud, A. and Fouillac, C. ..... 76(3/4): 259–269
Fouillac, C., see Fouillac, A.M. et al. ..... 76(3/4): 271–289
Fouquet, Y., see Bougault, H. et al. ..... 70(1/2): 132
Fourcade, S., Marquer, D. and Javoy, M., $^{18}O/^{16}O$ variations and fluid circulation in a deep shear zone: The case of the Alpine ultramylonites from the Aar massif (Central Alps, Switzerland) ..... 77(2): 119–131
Fourcade, S., see Lécuyer, C. et al. ..... 70(1/2): 52
Fourcade, S., see Lécuyer, Chr. and Fourcade, S. ..... *87(3/4): 231–246
Fourcade, S., see Tourpin, S. et al. ..... 90(1/2): 15– 29
Fourel, F., Lancelot, J.R., Allègre, C.J and Dupré, B., Isotopic analyses of uraniferous minerals by both U–Pb and Sm–Nd methods ..... 70(1/2): 134
Fowler, M.B., Elemental evidence for crustal contamination of mantle-derived Caledonian syenite by metasediment anatexis and magma mixing ..... 69(1/2): 1– 16
Fowler, M.G., see Gou Xuemin et al. ..... 64(3/4): 181–195
Frakes, L.A., see Pracejus, B. et al. ..... 88(1/2): 143–149
Francalanci, L., Barbieri, M., Manetti, P., Peccerillo, A. and Tolomeo, L., Sr isotopic systematics in volcanic rocks from the Island of Stromboli (Italy) (Aeolian Arc) ..... *73(2): 109–124
France-Lanord, C., Michard, A., Bouquillon, A. and Tiercelin, J.-J., Isotopic chemistry and sedimentology of the Bengal fan sediments: The denudation of the Himalaya ..... 84(1/4): 368–370
France-Lanord, Ch. and Sheppard, S.M.F., Large scale infiltration of fluids during regional metamorphism. H and C isotope evidence from Central Nepal ..... 70(1/2): 160
Franchi, I.A., Wright, I.P. and Pillinger, C.T., Nitrogen isotope variation in iron meteorites ..... 70(1/2): 24
Francis, D., see Nadeau, S. et al. ..... 81(4): 271–297
Francis, R.D., Sulfide globules in mid-ocean ridge basalts (MORB), and the effect of oxygen abundance in Fe–S–O liquids on the ability of those liquids to partition metals from MORB and komatiite magmas ..... 85(3/4): 199–213
Franck, E.U., Experimental determination and calculation of binary and ternary phase diagrams of aqueous fluid systems at high temperatures and pressures ..... 70(1/2): 161
Franklyn, M.T., McNutt, R.H, Kamineni, D.C., Gascoyne, M. and Frape, S.K., Groundwater $^{87}Sr/^{86}Sr$ values in the Eye–Dashwa Lakes pluton, Canada: Evidence for plagioclase–water reaction ..... *86(2): 111–122
Frantz, J.D., Mao, H.K., Zhang, Y.G., Wu, Y., Thompson, A.C., Underwood, J.H., Giauque, R.D., Jones, K.W. and Rivers, M.L., Analysis of fluid inclusions by X-ray fluorescence using synchrotron radiation ..... 69(3/4): 235–244
Frantz, J.D., Zhang, Y.G., Hickmott, D.D. and Hoering, T.C., Hydrothermal reactions involving equilibrium between minerals and mixed volatiles, 1. Techniques for experimentally loading and analyzing gases and their application to synthetic inclusions ..... 76(1/2): 57– 70
Frantz, J.D., Popp, R.K. and Hoering, T.C., The compositional limits of fluid immiscibility in the system H_2O–NaCl–CO_2 as determined with the use of synthetic fluid inclusions in conjunction with mass spectrometry ..... 98(3/4): 237–255

Frantz, J.D., see Zhang, Y-G. and Frantz, J.D. ..... 64(3/4): 335–350
Frantz, J.D., see Gang, Zhang Yi and Frantz, J.D. ..... 70(1/2): 161
Frantz, J.D., see Zhang, Y.-G. and Frantz, J.D. ..... 74(3/4): 289–308
Frantz, J.D., see Mysen, B.O. and Frantz, J.D. ..... 96(3/4): 321–332
Frantz, J.D., see Zhang,Y-G. and Frantz, J.D. ..... 100(1/2): 51– 72
Frape, S.K., see Sherwood, B. et al. ..... 70(1/2): 40
Frape, S.K., see Blomqvist, R.G. et al. ..... 70(1/2): 158
Frape, S.K., see Sherwood, B. et al. ..... 71(1/3): 223–236
Frape, S.K., see Franklyn, M.T. et al. ..... *86(2): 111–122
Fraser, D.G., A high-resolution ^{29}Si nuclear magnetic resonance study of ordering in silicate glasses on the join $CaMgSi_2O_6$–$NaAlSi_3O_8$ ..... 62(1/2): 43– 47
Fraser, D.G., Applications of the high-resolution scanning proton microprobe in the Earth sciences: An overview ..... 83(1/2): 27– 37
Fraser, D.G., see Rammensee, W. and Fraser, D.G. ..... 62(1/2): 103–110
Frau, F., Pinna, R., see Caboi, R. et al. ..... 70(1/2): 7
Freeman, R.S., see Glikson, M. et al. ..... 53(1/2): 155–174
Frentzel-Beyme, K., see Behr, H.J. et al. ..... 61(1/4): 273–285
Frey, F.A., see Song, Y. et al. ..... 88(1/2): 35– 52
Frey, F.A., see Vallier, T.L. et al. ..... 91(3): 227–256
Frey, F.A., see Price, R.C. et al. ..... 93(3/4): 245–265
Freyssinet, P., see Roquin, C. et al. ..... 84(1/4): 124–127
Freyssinet, Ph., Roquin, C., Muller, J.-C., Paquet, H. and Tardy, Y., Geochemistry and mineralogy of soils covering laterites and their use for gold exploration ..... 84(1/4): 58– 60
Freyssinet, Ph., Lawrance, L.M. and Butt, C.R.M., Geochemistry and morphology of gold in lateritic profiles in savanna and semi-arid climates ..... 84(1/4): 61– 63
Friedman, G.M., see Sternbach, C.A. et al. ..... 51(3/4): 165–174
Friedrich, G., see Grimm, B. and Friedrich, G. ..... 84(1/4): 70– 73
Friedrichsen, H., see Barret, T.J. and Friedrichsen, H. ..... *80(1): 71– 84
Friend, C.R.I., see Nutman, A.P. et al. ..... 70(1/2): 143
Frimmel, H., Sr-isotopes and the genesis of sparry Mg- and Fe-carbonate as well as baryte mineralizations in the Eastern Alps ..... 70(1/2): 7
Frimmel, H.E., Isotopic constraints on fluid/rock ratios in carbonate rocks: Barite–sulfide mineralization in the Schwaz Dolomite, Tyrol (Eastern Alps, Austria) ..... 90(3/4): 195–209
Fritz, B., see Del Nero, M. and Fritz, B. ..... 84(1/4): 45– 48
Fritz, B., see Made, B. and Fritz, B. ..... 84(1/4): 100–104
Fritz, B., see Anschutz, P. et al. ..... 84(1/4): 192–193
Fritz, B., see Risacher, F. and Fritz, B. ..... 90(3/4): 211–231
Fritz, P., Mozeto, A.A. and Reardon, E.J., Practical considerations on carbon isotope studies on soil carbon dioxide ..... *58(1/2): 89– 95
Fritz, P., Basharmal, G.M., Drimmie, R.J., Ibsen, J. and Qureshi, R.M., Oxygen isotope exchange between sulphate and water during bacterial reduction of sulphate ..... *79(2): 99–105
Fritz, P., see Sherwood, B. et al. ..... 70(1/2): 40
Fritz, P., see Sherwood, B. et al. ..... 71(1/3): 223–236
Fritz, P., see Wassenaar, L.I. et al. ..... *87(1): 39– 57
Fritz, S.J., A comparative study of gabbro and granite weathering ..... 68(3/4): 275–290
Fröberg, K., see Karlsson, K.H. and Fröberg, K. ..... 62(1/2): 1– 5
Fröhlich, G., Interaction experiments between water and hot melts in entrapment and stratification configurations ..... 62(1/2): 137–147
Fröhlich, K. and Gellermann, R., On the potential use of uranium isotopes for groundwater dating ..... *65(1): 67– 77
Fröhlich, K. and Grabczak, J., Rozanski, K., Deuterium and oxygen-18 in the Baltic Sea ..... *72(1): 77– 83
Frost, C.D., O'Nions, R.K. and Goldstein, S.L., Mass balance for Nd in the Mediterranean Sea ..... 55(1/2): 45– 50
Frost, C.D., see Manning, L.K. et al. ..... 91(2): 125–138
Fry, B., Gest, H. and Hayes, J.M., Sulfur isotope effects associated with protonation of HS^- and volatilization of H_2S ..... *58(3): 253–258
Fry, B., Ruf, W., Gest, H. and Hayes, J.M., Sulfur isotope effects associated with oxidation of sulfide by O_2 in aqueous solution ..... *73(3): 205–210
Fryer, B.J. and Taylor, R.P., Rare-earth element distributions in uranities: implications for ore genesis ..... 63(1/2): 101–108
Fryer, B.J., see Longerich, H.P. et al. ..... 83(1/2): 105–118
Fryer, B.J., see Jackson, S.E. et al. ..... 83(1/2): 119–132
Fryer, B.J., see Jenner, G.A. et al. ..... 83(1/2): 133–148

Fuhrmann, U., Lippolt, H.J. and Hess, J.C., Examination of some proposed K–Ar standards: $^{40}Ar/^{39}Ar$ analyses and conventional K–Ar data ..... *66(1/2): 40– 51
Fuhrmann, U., see Lippolt, H.J. et al. ..... *59(2/3): 187–204
Fujimori, K., see Barretto, P.M.C. and Fujimori, K. ..... 55(3/4): 297–312
Fujisawa, H., Development of the method of measurement of elastic wave velocities of a small mineral sample under very high-pressures ..... 70(1/2): 60
Fujisawa, H., Origin of 400 km discontinuity and the mineral composition of the upper mantle ..... 70(1/2): 202
Fukai, Y., Possible role of iron–water reaction in the core–mantle process ..... 70(1/2): 61
Fukushima, K., Yamamoto, S., Uzaki, M., Morinaga, S. and Ishiwatari, R., Characterization of the microbial degradation products of a submerged plant with particular reference to the production of the kerogen-like material ..... 64(1/2): 169–179
Fukushima, K., Morinaga, S., Uzaki, M. and Ochiai, M., Hydrocarbons generated by pyrolysis of insoluble kerogen-like materials isolated from microbially degraded plant residues ..... 76(1/2): 131–141
Furtado, V.V., see Pereira, E.B. et al. ..... *58(3): 217–226
Futa, K., see Peng, Z.C. et al. ..... *59(1): 3– 33
Fyfe, W.S., see Kronberg, B.I. et al. ..... 60(1/4): 41– 49
Fyfe, W.S., see Leonardos, O.H. et al. ..... 60(1/4): 111–119
Fyfe, W.S., see Tazaki, K. et al. ..... 60(1/4): 151–162
Fyfe, W.S., see Leonardos, O.H. et al. ..... 60(1/4): 361–370
Fyfe, W.S., see Wiese, Jr., R.G. et al. ..... 63(1/2): 29– 38
Fyfe, W.S., see Mann, H. et al. ..... 63(1/2): 39– 43
Fyfe, W.S., see Ferris, F.G. et al. ..... 63(3/4): 225–232
Fyfe, W.S., see Tazaki, K. et al. ..... 67(3/4): 285–294
Fyfe, W.S., see Barriga, F.J.A.S. and Fyfe, W.S. ..... 69(3/4): 331–343
Fyfe, W.S., see Ferris, F.G. et al. ..... 74(3/4): 321–330
Fyfe, W.S., see Barriga, F.J.A.S. and Fyfe, W.S. ..... 90(3/4): 349–352
Fyfe, W.S., see Tazaki, K. et al. ..... 95(3/4): 313–325

Gachon, A., see Dudoignon, P. et al. ..... 70(1/2): 159
Gachon, A., see Dudoignon, P. et al. ..... 70(1/2): 183
Gachon, A., see Dudoignon, P. et al. ..... 76(3/4): 385–401
Gadel, F., see Mariotti, A. et al. ..... *86(4): 345–357
Gagnol. I. and Pupin, J.P., The behaviour of U in magmatic rocks from the coupled study: Zircon typology data — microprobe and fission tracks analysis ..... 70(1/2): 8
Gaillard, J.-F., Organic carbon mineralization at the ocean–sediment interface ..... 70(1/2): 195
Gaillard, J.-F., Philippe, L., Rabouille, C., Sarazin, G. and Michard, G., Aydat Lake: biological cycle of Fe and P in an eutrophic lake during fall overturn ..... 70(1/2): 115
Gaillard, J.F., see Simonin, J.P. et al. ..... 70(1/2): 82
Gaillard, J.F., see Sarazin, G. et al. ..... 71(4): 369
Gaillard, J.F., see Simonin. J.P. et al. ..... 78(3/4): 343–356
Gaillard, J-F., Sarazin, G., Pauwels, H., Philippe, L., Lavergne, D. and Blake, G., Interstitial water and sediment chemistries of Lake Aiguebelette (Savoy, France) ..... 63(1/2): 73– 84
Gaillard, J-F., see Span, D. and Gaillard, J-F. ..... 56(1/2): 135–141
Gair, J.E., *Iron-Formation: Facts and Problems* by A.F. Trendall and R.C. Morris (Editors) (Book Review) ... 51(1/2): 148–150
Galer, S.J.G. and O'Nions, R.K., Magmagenesis and the mapping of chemical and isotopic variations in the mantle ..... 56(1/2): 45– 61
Galer, S.J.G. and Goldstein, S.L., Early mantle differentiation and thermal consequences ..... 70(1/2): 143
Galer, S.J.G., Goldstein, S.L. and O'Nions, R.K., Limits on chemical and convective isolatiom in the Earth's interior ..... 75(4): 257–290
Galetti, G., see Maggetti, M. et al. ..... 64(3/4): 319–334
Galimov, E.M., Sources and mechanisms of formation of gaseous hydrocarbons in sedimentary rocks ..... 71(1/3): 77– 95
Galinier, C., see Monnin, Chr. and Galinier, C. ..... 71(4): 283–296
Gallee, H., see Marsiat, I. et al. ..... 71(4): 368
Gammons, C.H., see Barnes, H.L. and Gammons, C.H. ..... 70(1/2): 76
Gamo, T., see Sedwick, P.N. et al. ..... 70(1/2): 198
Gandals, M., see Copreaux, J. et al. ..... 70(1/2): 158
Gang, Zhang Yi and Frantz, J.D., Experimental study of fluid unmixing in the system $CaCl_2$–H_2O–CO_2, using synthetic fluid inclusions ..... 70(1/2): 161
Gang, Zhang Yi and Weisbrod, A., Experimental investigations of *PVTX* and immiscibility in the system H_2O–LiCl, using the synthetic fluid inclusions technique ..... 70(1/2): 166
Gangopadhyay, S., see Landis, C.R. et al. ..... 93(1/2): 111–128

Ganor, J., see Katz,A. et al. ..... 70(1/2): 10
Ganteaume, M., see Baumer, A. et al. ..... 54(3/4): 311–318
Gao, C., see Gao, S. et al. ..... 92(4): 261–282
Gao, G., Elmore, R.D. and Land, L.S., Geochemical constraints on the origin of calcite veins and associated limestone alteration, Ordovician Viola Group, Arbuckle Mountains, Oklahoma, U.S.A. ..... 98(3/4): 257–269
Gao, S., Zhang, B., Xie, Q., Gu, X., Ouyang, J., Wang, D. and Gao, C., Average chemical compositions of post-Archean sedimentary and volcanic rocks from the Qinling Orogenic Belt and its adjacent North China and Yangtze Cratons ..... 92(4): 261–282
García Iglesias, J., see Rua-Figueroa, A. et al. ..... 61(1/4): 217–224
Garcia-Paz, C., see Taboada, T. et al. ..... 84(1/4): 130–132
Garcon, V., see Ehomas, F. et al. ..... 70(1/2): 198
Gardner, L.R., Geochemical analysis of silicate rocks and soils by XRF using pressed powders and a two-stage calibration procedure ..... 88(1/2): 169–182
Garfunkel, Z., see Herut, B. et al. ..... 70(1/2): 196
Garrels, R.M., see Chou, L. et al. ..... 70(1/2): 77
Garrels, R.M., see Chou, L. et al. ..... 78(3/4): 269–282
Garvie, O.G., see Smith, C.B. et al. ..... *79(2): 137–145
Gascoyne, M., *Solid State Nuclear Track Detection — Principles, Methods and Applications* by S.A. Durrani and R.K. Bull (Book Review) ..... 81(1/2): 164
Gascoyne, M. and Schwarcz, H.P., Radionuclide migration over recent geologic time in a granitic pluton ..... *59(1): 75– 85
Gascoyne, M., see Franklyn, M.T. et al. ..... *86(2): 111–122
Gasparik, T., The stability of pyroxene in the transition zone ..... 70(1/2): 61
Gat, J.R., see Allison, G.B. et al. ..... *58(1/2): 145–156
Gat, J.R., see Horita, J. and Gat, J.R. ..... *72(1): 85– 88
Gatter, I., Fluid inclusion studies in the polymetallic ores, of Gyöngyösoroszi (north Hungary) — Spatial and temporal evolution of ore-forming fluids ..... 61(1/4): 169–181
Gaudette, H.E., see Long, D.T. et al. ..... 53(3/4): 185–189
Gaudette, H.E., see Fee, J.A. et al. ..... 96(1/2): 67– 93
Gaudry, A., Polian, G., Monfray, P., Ardouin, B. and Lambert, G., CO_2 fluxes in Subantarctic areas from CO_2/radon correlations ..... 70(1/2): 98
Gauthier-Lafaye, F., see Landais, P. et al. ..... 70(1/2): 188
Gautier, D.L., Isotopic composition of pyrite: relationship to organic matter type and iron availability in some North American Cretaceous shales ..... *65(3/4): 293–303
Gautier, I., see Weis, D. et al. ..... 70(1/2): 58
Gautier, I., see Weis, D. et al. ..... 70(1/2): 58
Gavazzini, G., see Bellieni, G. et al. ..... 92(1/3): 21– 43
Gebauer, D., Lappin, M.A., Grünenfelder, M. and Wyttenbach, A., The age and origin of some Norwegian eclogites: a U–Pb zircon and REE study ..... *52(2): 227–247
Gebauer, D., Williams, I.S., Compston, W. and Grünenfelder, M., The development of the Central European continental crust since the Early Archean ..... 70(1/2): 68
Gebauer, D., see Quadt, A. and Gebauer, D. ..... 70(1/2): 15
Gebauer, D., see Nägler, Th.F. et al. ..... 70(1/2): 72
Gedik, A., see Çağatay, M.N. et al. ..... 82(1/2): 129–144
Gellermann, R., see Fröhlich, K. and Gellermann, R. ..... *65(1): 67– 77
Genereux, D.P. and Hemond, H.F., Measurement of the radon-222 content of soil gas by liquid scintillation counting ..... *87(3/4): 265–275
Genevrier, F., see Thomas, F. et al. ..... 84(1/4): 227–230
George, A.D. and Graham, I.J., Whole-rock Rb–Sr isochrons and speudo-isochrons from turbide suites from the Torless accretionary prism, New Zealand ..... *87(1): 11– 20
George, E., see Lévêque, M.H. et al. ..... 69(1/2): 147–163
George-Aniel, B. and Leroy, J.L., Uranium behaviour during the experimental leaching of a natural volcanic glass ..... 70(1/2): 189
George-Aniel, B., see Leroy, J.L. and George-Aniel, B. ..... 70(1/2): 188
Georgii, H.W., see Ockelmann, G.E.F. and Georgii, H.W. ..... 70(1/2): 102
Gerbe, M.-C. and Harmon, R.S., The Galungung Volcano, Java: Physical characteristics and O-isotope geochemistry of the 1982–83 eruption ..... 70(1/2): 9
Gerber, C., see Siegel, F.R. et al. ..... 70(1/2): 16
Gerler, J., see Behr, H.-J. and Gerler, J. ..... 61(1/4): 65– 77
German, C.R. and Elderfield, H., Redox processes in the sea and trace element accumulation in marine anoxic basins ..... 70(1/2): 195

German, C.R. and Elderfield, H., Rare earth element distributions in the high productivity NW Indian Ocean upwelling zone ... 70(1/2): 196
Germani, M.S., see Bradley, J.P. et al. ... 70(1/2): 30
Gest, H., see Fry, B. et al. ... *58(3): 253–258
Gest, H., see Fry, B. et al. ... *73(3): 205–210
Geyer, R.A., *Complexation Reactions in Aquatic Systems (An Analytical Approach)* by J. Buffle (Book Review) ... 77(2): 161–163
Ghaleb, B., see Hillaire-Marcel, C. et al. ... 70(1/2): 127
Ghazban, F., Schwarcz, H.P. and Ford, D.C., Correlated strontium, carbon and oxygen isotopes in carbonate gangue at the Nanisivik zinc–lead deposits, northern Baffin Island, N.W.T., Canada ... *87(2): 137–146
Ghosh, S.K., see Narayanaswamy and Ghosh, S.K. ... 60(1/4): 251–257
Giauque, R.D., see Frantz, J.D. et al. ... 69(3/4): 235–244
Giblin, A.M. and Dickson, B.L., Source, distribution and economic significance of trace elements on groundwaters from Lake Tyrrell, Victoria, Australia ... 96(1/2): 133–149
Giblin, A.M., see Long, D.T. et al. ... 96(1/2): 33– 52
Giblin, A.M., see Lyons, W.B. et al. ... 96(1/2): 115–132
Gibson, D.L., see Glikson, M. et al. ... 51(3/4): 175–191
Gieré, R., Oberli, F. and Meter, M., Mobility of Ti, Zr and REE: mineralogical geochemical and isotopic evidence from the Adamello contact aureole (Italy) ... 70(1/2): 161
Gieskes, J.M., Lawrence, J.R., Perry, E.A., Grady, S.J. and Elderfield, H., Chemistry of interstitial waters and sediments in the Norwegian–Greenland Sea, Deep Sea Drilling Project Leg *38* ... 63(1/2): 143–155
Giger, W., see Gou Xuemin et al. ... 64(3/4): 181–195
Gijbels, R., see Bosch, B. et al. ... 55(1/2): 31– 44
Gil Ibarguchi, J.I., see Bernard-Griffiths, J. et al. ... *52(2): 217–225
Giletti, B.J., The nature of oxygen transport within minerals in the presence of hydrothermal water and the role of diffusion ... 53(3/4): 197–206
Giletti, B.J. and Farver, J.R., Thermal histories of rocks from Rb–Sr mineral data and Sr diffusion kinetics ... 70(1/2): 183
Giletti, B.J., Coghlan, R.A. and Farver, J.R., Cooling rates of igneous and metamorphic rocks determined from mineral $\delta^{18}O$ data ... 70(1/2): 184
Gilkes, R.J., see Ball, P.J. and Gilkes, R.J. ... 60(1/4): 215–225
Gill, J.B. and Williams, R.W., U-enrichment in island arcs ... 70(1/2): 127
Gill, J.B., see Collerson, K.D. et al. ... 70(1/2): 125
Gill, J.B., see Vallier, T.L. et al. ... 91(3): 227–256
Gill, R.C.O., Nutman, A.P., Jenner, G. and Bridgwater, D., The Mid-Archean Tarssartoq Dykes of the Isukasia area, West Greenland ... 70(1/2): 143
Gill, R.C.O., see Holm, P.M. et al. ... 70(1/2): 49
Gill, R.C.O., see Gruau, G. et al. ... 70(1/2): 144
Gill, T., see Dorn, R.I. et al. ... 99(4): 289–298
Gillet, P. and Guyot, F., High pressure–high temperature Raman spectroscopy of Ca_2GeO_4 (olivine form): Some insights on anharmonicity ... 70(1/2): 61
Gillis, K.M., Ludden, J.N. and Smith, A.D., Mobilization of REE during crustal aging in the Troodos Ophiolite, Cyprus ... 98(1/2): 71– 86
Gillis, K.M., see Smith, A.D. et al. ... 81(1/2): 17– 22
Gillot, P-Y. and Cornette, Y., The Cassignol technique for potassium–argon dating, precision and accuracy: Examples from the Late Pleistocene to Recent volcanics from southern Italy ... *59(2/3): 205–222
Gillyon, P., see Bjorøy, M. et al. ... 93(1/2): 13– 20
Gilstrap, M.S., see Webster, J.R. and Gilstrap, M.S. ... 85(3/4): 287–294
Giovanoli, R., see Wersin, P. et al. ... 84(1/4): 210–211
Giovanoli, R., see Wersin, P. et al. ... 90(3/4): 233–252
Girard, C., see Ahamdach, N. et al. ... 84(1/4): 344–346
Girard, J.P., Savin, S.M., Aronson, J.L. and Walgewitz, F., Nature and origin of diagenetic fluids in the Lower Cretaceous arkoses of the Angola offshore basin ... 70(1/2): 184
Girard, J.P., see Walter, A.-V. et al. ... 84(1/4): 378–380
Girardeau, J., see Agrinier, P. et al. ... 71(4): 313–335
Giraud, A., Dupuy, C. and Dostal, J., Behaviour of trace elements during magmatic processes in the crust: Application to acidic volcanic rocks of Tuscany (Italy) ... 57(3/4): 269–288
Giraud, P., see Benmoussa, L. et al. ... 63(1/2): 121–132
Giresse, P., see Mariotti, A. et al. ... *86(4): 345–357
Giret, A., see Weis, D. et al. ... 70(1/2): 58
Giroir, G., see Estrada Maldonado, C.F. et al. ... 97(1/2): 113–123
Gislason, S.R., Experimental meteoric water–basalt interactions: TEM characterization and thermodynamic interpretation of alteration products ... 70(1/2): 161

Gislason, S.R., Arnorsson, S. and Ármannsson, H., Chemical denudation rates in SW-Iceland ..... 84(1/4): 64– 67
Giuliani, G., Cheilletz, A. and Mechiche, M., Behaviour of REE during thermal metamorphism and hydrothermal infiltration associated with skarn and vein-type tungsten ore bodies in central Morocco .... 64(3/4): 279–294
Giusti, L., U–Pb isotopic data for sulfides of the Varkenskraal granite (western Transvaal, South Africa) and their bearing on the age and origin of uranium mineralization in the Witwatersrand Basin ..... *72(4): 311–328
Gladkov, N.G., see Zhuravlev, D.Z. et al. ..... *66(3/4): 227–243
Glascock, M.D., see Coveney, Jr., R.M. et al. ..... 99(1/3): 101–114
Glass, B.P., Hall, C.M. and York, D., $^{40}Ar/^{39}Ar$ laser-probe dating of North American tektite fragments from Barbados and the age of Eocene–Oligocene boundary ..... *59(2/3): 181–186
Gleadow, A.J.W., see Green, P.F. et al. ..... *59(4): 237–253
Gleadow, A.J.W., see Laslett, G.M. et al. ..... *65(1): 1– 13
Gleadow, A.J.W., see Green, P.F. et al. ..... *79(2): 155–182
Gleadow, A.J.W., see Wagner, G.A. et al. ..... *79(4): 295–305
Gleadow, J.W., see Fitzgerald, P.G. and Gleadow, J.W. ..... *73(2): 169–198
Gleisberg, B., see Hammer, J. et al. ..... 85(3/4): 345–360
Glikson, M., Gibson, D.L. and Philp, R.P., Organic matter in Australian Cambrian oil shales and other Palaeozoic shales ..... 51(3/4): 175–191
Glikson, M., Chappell, B.W., Freeman, R.S. and Webber, E., Trace elements in oil shales, their source and organic association with particular reference to Australian deposits ..... 53(1/2): 155–174
Glückert, G., see Lehtonen, K. et al. ..... 93(3/4): 313–323
Gnaneshwar Rao, T., see Uday Raj, B. et al. ..... 70(1/2): 146
Godot, J.-M., see Hieronymus, B. et al. ..... 84(1/4): 74– 77
Godwin, C.I., see Juras, S.J. et al. ..... 64(1/2): 143–148
Goemans, P., see Vatin-Perignon, N. et al. ..... 70(1/2): 179
Goetz, C., see Hillaire-Marcel, C. et al. ..... 70(1/2): 127
Goguel, R.L., see Christie, A.B. et al. ..... 78(1): 35– 49
Gökçen, N., see Floyd, P.A. et al. ..... 89(3/4): 263–280
Gökçen, S.L., see Floyd, P.A. et al. ..... 89(3/4): 263–280
Goldhaber, M.B., see Breit, G.N. et al. ..... *52(3/4): 333–336
Goldich, S.S. and Fischer, L.B., Air-abrasion experiments in U–Pb dating of zircon ..... *58(3): 195–215
Golding, S.D., see Finlayson, E.J. et al. ..... 69(3/4): 215–233
Goldsmith, J.R., see Clayton, R.N. et al. ..... 70(1/2): 183
Goldstein, J.I., see Caillet, C. et al. ..... 70(1/2): 30
Goldstein, S.J. and Jacobsen, S.B., The Nd and Sr isotopic systematics of river-water dissolved material: Implications for the sources of Nd and Sr in seawater ..... *66(3/4): 245–272
Goldstein, S.L. and Arndt, N.T., History of a continent from a sample of river sand ..... 70(1/2): 68
Goldstein, S.L., see Frost, C.D. et al. ..... 55(1/2): 45– 50
Goldstein, S.L., see Barling, J. et al. ..... 70(1/2): 46
Goldstein, S.L., see Galer, S.J.G. and Goldstein, S.L. ..... 70(1/2): 143
Goldstein, S.L., see Galer, S.J.G. et al. ..... 75(4): 257–290
Gomes, M.E.P., see Neiva, A.M.R. and Gomes, M.E.P. ..... 89(3/4): 305–327
Goncalves, N., see Noack, Y. et al. ..... 84(1/4): 111–113
González-Vila, F.J., see Martín, F. and González-Vila, F.J. ..... 67(3/4): 353–358
Goodarzi, F., Comparison of elemental distribution in fresh and weathered samples of selected coals in the Jurassic–Cretaceous Kootenay Group, British Columbia, Canada ..... 63(1/2): 21– 28
Goodarzi, F., Elemental distribution in coal seams at the Fording coal mine, British Columbia, Canada ..... 68(1/2): 129–154
Goodarzi, F. and Van Der Flier-Keller, E., Distribution of major, minor and trace elements in Hat Creek deposit No. 2, British Columbia, Canada ..... 70(4): 313–333
Goodarzi, F. and Van der Flier-Keller, E., Organic petrology and geochemistry of intermontane coals from British Columbia, 3. The Blakeburn opencast mine near Tulameen, British Columbia, Canada ..... 75(3): 227–247
Goodarzi, F., see Foscolos, A.E. et al. ..... 76(1/2): 107–130
Goodfellow, W.D., Anoxic stratified oceans as a source of sulphur in sediment-hosted stratiform Zn–Pb deposits (Selwyn Basin, Yukon, Canada) ..... *65(3/4): 359–382
Goodfellow, W.D., see Whitehead, R.E.S. et al. ..... *86(1): 49– 63
Goodfellow, W.D., see Whitehead, R.E.S. et al. ..... 98(1/2): 87–101
Gopalan, K., MacDougall, J.D. and Roy, A.B., Sm–Nd systematics of the banded gneissic complex, northwestern India ..... 70(1/2): 144
Gopalan, K., see Naha, K. et al. ..... 70(1/2): 144
Göpel, C., Manhès, G. and Allègre, C.J., U–Pb study of the Josephine peridotite ..... 70(1/2): 49
Göpel, C., see Manhès, G. et al. ..... 70(1/2): 32
Göpel, Chr., see Ito, E. et al. ..... 62(3/4): 157–176

Gorgoni, C., Laghi, G.F. and Russo, F., Minor elements in basin-margin carbonates near the K–T boundary at Mte. Conero ... 70(1/2): 115
Gormly, J.R., see Chung, H.M. et al. ... 71(1/3): 97–103
Gorokhov, I.M., see Ovchinnikova, G.V. and Gorokhov, I.M. ... *66(3/4): 179–180
Gorton, M.P., see Barnes, S.-J. et al. ... 53(3/4): 303–323
Gosse, W., see Jackson, S.E. et al. ... 83(1/2): 119–132
Goswami, K., Environmental and depositional control of petroleum formation in the Upper Assam Basin, India: A geochemical evaluation ... 70(1/2): 8
Got, A., see Bernat, M. et al. ... 75(4): 329–337
Goto, A. and Banno, S., Hydration of basic granulite to garnet–epidote amphibolite in the Sanbagawa metamorphic belt, central Shikoku, Japan ... 85(3/4): 247–263
Gou Xuemin, Fowler, M.G., Comet, P.A., Manning, D.A.C., Douglas, A.G., McEvoy, J. and Giger, W., Investigation of three natural bitumens from central England by hydrous pyrolysis and gas chromatography–mass spectrometry ... 64(3/4): 181–195
Gould, K.W., see Smith, J.W. and Gould, K.W. ... *59(4): 333–334
Grabczak, J., Rozanski, K., see Fröhlich, K. and Grabczak, J., Rozanski, K. ... *72(1): 77– 83
Graber, E.R. and Aharon, P., An improved microextraction technique for measuring dissolved inorganic carbon (DIC), $\delta^{13}C_{DIC}$ and $\delta^{18}O_{H_2O}$ from milliliter-size water samples ... *94(2): 137–144
Grabitz, D., see Bösinger, R. et al. ... 70(1/2): 96
Grady, M.M., Wright, I.P. and Pillinger, C.T., The isotopic composition of nitrogen in ureilitic diamonds ... 70(1/2): 25
Grady, M.M., see Wright, I.P. et al. ... 70(1/2): 27
Grady, S.J., see Gieskes, J.M. et al. ... 63(1/2): 143–155
Gragnani, R., see Brondi, M. et al. ... 70(1/2): 8
Graham, D.W., Coupled helium–lead isotope systematics in the earth's mantle ... 70(1/2): 50
Graham, I.J., Rb–Sr geochronoly and geochemistry of Torlesse metasediments from the central North Island, New Zealand ... *52(3/4): 317–331
Graham, I.J. and Korsch, R.J., Rb–Sr geochronology of coarse-grained greywackes and argillites from the Coffs Harbour Block, eastern Australia ... *58(1/2): 45– 54
Graham, I.J., see George, A.D. and Graham, I.J. ... *87(1): 11– 20
Grana-Gomez, M.J., Barral-Silva, M.T. and Seoane Labandeira, S., Cobalt fractionation in surface horizons of soils from the province of Lugo (Spain) ... 84(1/4): 68– 69
Grauch, R.I., see Coveney, Jr., R.M. et al. ... 99(1/3): 101–114
Grauert, B., see Buhl, D. and Grauert, B. ... 70(1/2): 76
Grauert, B., see Buhl, D. and Grauert, B. ... 70(1/2): 78
Graustein, W.C. and Turekian, K.K., Radon and lead-210 fluxes between soil and air ... 70(1/2): 98
Gravestock, P., see Harris, N.B.W. et al. ... 100(1/2): 41– 49
Gray, C.M., see Price, R.C. et al. ... 93(3/4): 245–265
Gray, J., see Yonge, C.J. et al. ... *58(1/2): 97–105
Green, J.C., see Marlowe, I.T. et al. ... 88(3/4): 349–375
Green, P.F., Comparison of zeta calibration baselines for fission-track dating of apatite, zircon and sphene ... *58(1/2): 1– 22
Green, P.F., Duddy, I.R., Gleadow, A.J.W., Tingate, P.R. and Laslett, G.M., Thermal annealing of fission tracks in apatite, 1. A qualitative description ... *59(4): 237–253
Green, P.F., Duddy, I.R., Laslett, G.M., Hegarty, K.A., Gleadow, A.J.W. and Lovering, J.F., Thermal annealing of fission tracks in apatite, 4. Quantitative modelling techniques and extension to geological timescales ... *79(2): 155–182
Green, P.F., see Laslett, G.M. et al. ... *65(1): 1– 13
Green, P.F., see Duddy, I.R. et al. ... *73(1): 25– 38
Green, T.H. and Pearson, N.J., Ti-rich accessory phase saturation in hydrous mafic–felsic compositions at high *P*, *T* ... 54(3/4): 185–201
Green T.H. and Pearson, N.J., Rare-earth element partitioning between sphene and coexisting silicate liquid at high pressure and temperature ... 55(1/2): 105–119
Green, T.H., Sie, S.H., Ryan, C.G. and Cousens, D.R., Proton microprobe-determined partioning of Nb, Ta, Zr, Sr and Y between garnet, clinopyroxene and basaltic magma at high pressure and temperature ... 74(3/4): 201–216
Green, W.J., Ferdelman, T.G. and Canfield, D.E., Metal dynamics in Lake Vanda (Wright Valley, Antarctica) 76(1/2): 85– 94
Greenough, J.D., Minor phases in the Earth's mantle: Evidence from trace- and minor-element patterns in primitive alkaline magmas ... 69(3/4): 177–192
Greenough, J.D. and Papezik, V.S., Chloritization and carbonitization of Cambrian volcanic rocks in eastern Newfoundland and southern New Brunswick, Canada ... 53(1/2): 53– 70
Greenough, J.D. and Papezik, V.S., Volatile control of differentiation in sills from the Avalon Peninsula, Newfoundland, Canada ... 54(3/4): 217–236
Greenough, J.D. and Owen, J.V., Platinum-group element geochemistry of continental tholeiites: Analysis of the Long Range dyke swarm, Newfoundland, Canada ... 98(3/4): 203–219

Greenough, J.D., Jones, L.M. and Mossman, D.J., The Sr isotopic composition of Early Jurassic mafic rocks of Atlantic Canada: Implications for assimilation and injection mechanisms affecting mafic dykes ..... *80(1): 17– 26
Greensmith, J.T., see McArthur, J.M. et al. ..... *65(3/4): 415–425
Gregory, R.T., Criss, R.E. and Taylor, Jr., H.P., Oxygen isotope exchange kinetics of mineral pairs in closed and open systems: Applications to problems of hydrothermal alteration of igneous rocks and Precambrian iron formations ..... 75(1/2): 1– 42
Gregson, D., see Eaton, A.N. et al. ..... 70(1/2): 174
Grenthe, I., Stumm, W., Laaksuharju, M., Nilsson, A.-C. and Wikberg, P., Redox potentials and redox reactions in deep groundwater systems ..... 98(1/2): 131–150
Grey, F., see Besson, J.M. et al. ..... 70(1/2): 60
Griesshaber, E., O'Nions, R.K. and Oxburgh, E.R., Helium and carbon isotope systematics in crustal fluids from the Eifel, Oberpfalz and Schwarzwald ..... 70(1/2): 37
Griesshaber, E., O'Nions, R.K. and Oxburgh, Helium and carbon isotope systematics in crustal fluids from the Eifel, the Rhine Graben and Black Forest, F.R.G. ..... 99(4): 213–235
Griffin, S.M., see Druffel, E.R.M. et al. ..... 70(1/2): 108
Griffin, W.L. and Brueckner, H.K., REE, Rb–Sr and Sm–Nd studies of Norwegian eclogites ..... *52(2): 249–271
Grim, R.E., *Phosphate Minerals* by J.O. Nriagu and P.B. Moore (Editors) (Book Review) ..... 54(1/2): 182–183
Grimaldi, C., see Bourrié, G. et al. ..... 76(3/4): 403–417
Grimalt, J.O., Angulo, L., López-Galindo, A., Comas, M.C. and Albaigés, J., Lipid and mineralogical composition of the Cretaceous black shale deposits of the Fardes Formation (southern Iberian Paleomargin), Betic Cordillera, south Spain) ..... 82(3/4): 341–363
Grimaud, D., Ishibashi, J.-I., Lagabrielle, Y., Auzende, J.-M. and Urabe, T., Chemistry of hydrothermal fluids from the 17°S active site on North Fiji Basin Ridge (SW Pacific) ..... 93(3/4): 209–218
Grimm, B. and Friedrich, G., Weathering effects on supergene gold in soils of a semi-arid environment, Gentio do Ouro, Brazil ..... 84(1/4): 70– 73
Grishina, S.N., H_2S-bearing inclusions in recrystallized halite ..... 61(1/4): 91– 94
Grönvold, K. (Guest-Editor), Preface to Special Issue "Water–Rock Interaction" ..... 76(3/4): iii
Grönvold, K., see Hilton, D.R. et al. ..... 88(1/2): 53– 67
Grootes, P., see Spencer, M.J. et al. ..... 70(1/2): 104
Grossman, E.L. and Ku, T-L., Oxygen and carbon isotope fractionation in biogenic aragonite: Temperature effects ..... *59(1): 59– 74
Grossman, J.N., see Huebner, J.S. et al. ..... 100(1/2): 93–118
Grousset, F., see Boust, D. and Grousset, F. ..... 71(4): 366
Grousset, F.E., Hamelin, B., Biscaye, P.E. and Prospero, J., Trans-Atlantic transport of aerosols: Evidence from anthropogenic Pb isotope signatures ..... 70(1/2): 196
Groves, D.I., see Browning, P. et al. ..... 70(1/2): 141
Gruau, G., Rosing, M., Bridgwater, D. and Gill, R.C.O., True vs apparent initial $^{143}Nd/^{144}Nd$ ratios in the 3800 Ma Isua belt: implications for early terrestrial evolution ..... 70(1/2): 144
Gruau, G., Tourpin, S., Jahn, B.M. and Anhaeussen, C.R., New geochemical and isotopic data for komatiites from the Onverwacht Group, southern Africa ..... 70(1/2): 144
Gruau, G., Cornichet, J. and Le Coz-Bouhnik, M., Improved determination of Lu/Hf ratio by chemical separation of Lu from Yb (Short Communication) ..... *72(4): 353–356
Gruau, G., see Tourpin, S. et al. ..... 90(1/2): 15– 29
Grünenfelder, M., see Gebauer, D. et al. ..... *52(2): 227–247
Grünenfelder, M., see Gebauer, D. et al. ..... 70(1/2): 68
Gu, X., see Gao, S. et al. ..... 92(4): 261–282
Gu, Y., see Manghnani, M.H. et al. ..... 70(1/2): 63
Gu, Y., see Manghnani, M.H. et al. ..... 70(1/2): 88
Gu, Y.Q., see Zhang, J. et al. ..... 89(1/2): 189–199
Gu, Z.Y., see Zhang, J. et al. ..... 89(1/2): 189–199
Guangguo, Y., see Pu, F. et al. ..... 93(1/2): 61– 78
Guendon, J.-L., see Magnin, F. et al. ..... 84(1/4): 173–175
Guerre, A., see Fontes, J.Ch. et al. ..... 71(4): 367
Guerzoni, S., Molinaroli, E., Quarantotto, G., Rampazzo, G. and Simpson, H.J., Geochemical associations and anthropogenic trace metals in lake sediments of central Italy (Ancona, Italy) ..... 70(1/2): 115
Guha, S., see Sen, A.K. and Guha, S. ..... 63(3/4): 233–274
Guha, S., see Sen, A.K. and Guha, S. ..... 69(3/4): 364
Guilhaumou, N., Couty, R. and Dahan, N., Deformation of fluid inclusions in fluorite under confining pressure 61(1/4): 47– 53
Guillet, B., see Trolard, F. et al. ..... 84(1/4): 294–297
Guillot, C., Moine, B. and Beny, Cl., Repartition and origin of N_2 in the fluid inclusions of the Dome de Montredon, Montagne Noire, France ..... 70(1/2): 163

Guise, P.G., see Odin, G.S. et al. ..... *86(3): 203–224
Gülaçar, F.O., see Mendoza, Y.A. et al. ..... 62(3/4): 307–319
Gülaçar, F.O., see Mendoza, Y.A. et al. ..... 62(3/4): 321–330
Gulson, B.L., Vaasjoki, M. and Carr, G.R., Geochronology in deeply weathered terrains using lead–lead isochrons ..... *59(4): 273–282
Gunawardena, R.P., see Dissanayake, C.B. et al. ..... 68(1/2): 121–128
Gunnlaugsson, E., see Marty, B. et al. ..... 91(3): 207–225
Gunter, W.D. and Bird, G.W., CO_2 production in tar sand reservoirs under in situ steam temperatures: Reactive calcite dissolution ..... 70(4): 301–311
Günther, D., see Moenke-Blankenburg, L. and Günther, D. ..... 95(1/2): 85– 92
Gupta, N., see Siegel, F.R. et al. ..... 70(1/2): 16
Gupta, S.K., $^{230}Th/^{234}U$ and ^{14}C dating of Quaternary carbonate deposits of Saurashtra, India — Comments (Discussion) ..... *86(2): 179–183
Gurker, N., see Buttkewitz, A. et al. ..... 70(1/2): 176
Guthrie, V.A., Recent radionuclide migration in plutonic rocks as defined by U-series disequilibrium ..... 70(1/2): 127
Guthrie, V.A., Fission-track analysis of uranium distribution in granitic rocks ..... 77(2): 87–103
Guthrie, V.A. and Kleeman, J.D., Changing uranium distributions during weathering of granite ..... 54(1/2): 113–126
Guy, C. and Schott, J., Multi-site surface reaction versus transport control during the hydrolysis of a complex oxide ..... 70(1/2): 78
Guy, C. and Schott, J., Multisite surface reaction versus transport control during the hydrolysis of a complex oxide ..... 78(3/4): 181–204
Guy, Chr., see Berger, G. et al. ..... 71(4): 297–312
Guyot, F. and Peyronneau, Poirier, J.P., TEM study of high pressure reactions between iron and silicate perovskites ..... 70(1/2): 61
Guyot, F. and Reynard, B., Pressure-induced structural modifications and amorphization in olivine compounds 96(3/4): 411–420
Guyot, F., see Gillet, P. and Guyot, F. ..... 70(1/2): 61
Gwalani, L.G., see Avasia, R.K. and Gwalani, L.G. ..... 70(1/2): 66

Hagee, B.E., see Broadhurst, C.L. et al. ..... 70(1/2): 36
Haggerty, S.E., Titanate mineral markers and Ti-complexing in upper mantle metasomites: Clues to alkali magma genesis ..... 70(1/2): 50
Hahn-Weinheimer, P., see Hirner, A.V. and Hahn-Weinheimer, P. ..... 70(1/2): 116
Hajash, A. and Bloom, M.A., Marine diagenesis of feldspathic sand: A flow-through experimental study at 200°C, 1 kbar ..... 89(3/4): 359–377
Håkansson, K., see Karlsson, S. et al. ..... 67(1/2): 1– 15
Halbach, P., Kriete, C., Prause, B. and Puteanus, D., Mechanisms to explain the platinum concentration in ferromanganese seamount crusts ..... 76(1/2): 95–106
Halbach, P., see Puteanus, D. and Halbach, P. ..... 69(1/2): 73– 85
Halbout, J., Robert, F., Javoy, M. and Magaritz, M., Upper Permian boundary: carbon and nitrogen isotope variations ..... 70(1/2): 119
Hald, N., see Holm, P.M. et al. ..... 70(1/2): 49
Hålenius, E., see Öhlander, B. et al. ..... 78(2): 135–150
Hales, P.E., see Holmes, J.A. et al. ..... 95(1/2): 177–186
Halicz, L., see Arad, A. et al. ..... 54(3/4): 251–270
Hall, A.J., Boyce, A.J. and Fallick, A.E., Iron sulphides in metasediments: isotopic support for a retrogressive pyrrhotite to pyrite reaction ..... *65(3/4): 305–310
Hall, A.J., Boyce, A.J., Fallick, A.E. and Hamilton, P.J., Isotopic evidence of the depositional environment of Late Proterozoic stratiform barite mineralisation, Aberfeldy, Scotland ..... *87(2): 99–114
Hall, A.J., see Macleod, G. et al. ..... *86(4): 335–343
Hall, C.M., see Glass, B.P. et al. ..... *59(2/3): 181–186
Hall, C.M., see Lo Bello, Ph. et al. ..... *66(1/2): 61– 71
Hall, G.E.M. and Plant, J.A., Analytical errors in the determination of high field strength elements and their implications in tectonic interpretation studies ..... 95(1/2): 141–156
Hall, G.E.M. and Plant, J.A., Application of geochemical discrimination diagrams for the tectonic interpretation of igneous rocks hosting gold mineralisation in the Canadian Shield ..... 95(1/2): 157–165
Hall, G.E.M. and Vaive, J.E., Application of a field portable anodic stripping voltammeter to the analysis of sulphide-selective leaches and waters ..... 97(3/4): 295–306
Hall, G.E.M., Pelchat, J-C. and Loop, J., Separation and recovery of various sulphur species in sedimentary rocks for stable sulphur isotopic determination ..... 67(1/2): 35– 45
Hall, K., see Bjorøy, M. et al. ..... 93(1/2): 1– 11
Hall, K., see Bjorøy, M. et al. ..... 93(1/2): 13– 20

Hall, P.B., see Bjorøy, M. et al. ..... 93(1/2): 1– 11
Haller, M., see Comans, R.N.J. et al. ..... 70(1/2): 195
Halliday, A.N., Davidson, J.P., Hildreth, W. and Holden, P., Modelling the petrogenesis of hifh Rb/Sr silicic magmas ..... 92(1/3): 107–114
Halliday, A.N., see Clarke, D.B. et al. ..... *73(1): 15– 24
Halliday, A.N., see Holden, P. et al. ..... 92(1/3): 135–152
Halliday, A.N., see Dickin, A.P. et al. ..... *94(1): 23– 32
Halls, H.C., see Smith, P.E. et al. ..... *94(4): 261–280
Halonen, S., see Blomqvist, R.G. et al. ..... 70(1/2): 158
Hamelin, B., Dupré, B., Brévart, O. and Allègre, C.J., Metallogenesis at paleo-spreading centers: Lead isotopes in sulfides, rocks and sediments from the Troodos Ophiolite (Cyprus) ..... 68(3/4): 229–238
Hamelin, B., Shen, G.T. and Boyle, E.A., Isotopic study of Pb pollution in surface waters from the northwest Atlantic Ocean ..... 71(4): 367
Hamelin, B., see Grousset, F.E. et al. ..... 70(1/2): 196
Hamelin, B., see Bard, E. et al. ..... 84(1/4): 157–158
Hamilton, M.A., Olson, K.E., Weis, D. and Morse, S.A., News from the North American Proterozoic ..... 70(1/2): 71
Hamilton, P.J., see Miller, R.G. et al. ..... 57(1/2): 87– 99
Hamilton, P.J., see McArthur, J.M. et al. ..... *65(3/4): 415–425
Hamilton, P.J., see Skiöld, T. et al. ..... 69(3/4): 193–207
Hamilton, P.J., see Clarke, D.B. et al. ..... *73(1): 15– 24
Hamilton, P.J., see Boyce, A.J. et al. ..... 84(1/4): 354–356
Hamilton, P.J., see Hall, A.J. et al. ..... *87(2): 99–114
Hammer, J., Junge, F., Rösler, H.J., Niese, S., Gleisberg, B. and Stiehl, G., Element and isotope geochemical investigations of the Kupferschiefer in the vicinity of "Rote Fäule", indicating copper mineralization (Sangerhausen basin, G.D.R.) ..... 85(3/4): 345–360
Hammerschmidt, K., see Hurford, A.J. and Hammerschmidt, K. ..... *58(1/2): 23– 32
Hamza, V.M., see Pereira, E.B. et al. ..... *58(3): 217–226
Hanada, K., see Hirono, S. et al. ..... 60(1/4): 281–286
Hanor, J.S., see McManus, K.M. and Hanor, J.S. ..... 74(1/2): 99–112
Hanor, J.S., see Ranganathan, V. and Hanor, J.S. ..... 74(1/2): 173–188
Hanor, J.S., see Ranganathan, V. and Hanor, J.S. ..... 75(4): 351
Hanor, J.S., see Jones, B.F. et al. ..... 84(1/4): 201–203
Hansen, K.S., see Richardson, S.M. and Hansen, K.S. ..... 90(1/2): 79– 90
Hansen, M., see Kalsbeek, F. and Hansen, M. ..... *73(4): 289–297
Hansen. B.T., see Henjes-Kunst, F. et al. ..... *73(2): 125–145
Hanson, G.N., see Shirey, S.B. et al. ..... *65(2): 183–187
Hanson, G.N., see Rajamani, V. et al. ..... 70(1/2): 147
Harada, K., see Burnet, B. et al. ..... 70(1/2): 125
Hare, P.E., see Macko, S.A. et al. ..... *65(1): 79– 92
Harkness, B.M., see Dahl, P.S. et al. ..... 88(1/2): 163–167
Harmer, R.E., Talma, A.S. and Stedman, R.L., Isotope geochemistry of carbonatite complexes from South Africa: Implications for the Proterozoic sub-continental mantle ..... 70(1/2): 50
Harmon, R.S. and Kempton, P.D., O-isotope relationships in mantle peridotites ..... 70(1/2): 50
Harmon, R.S., see Gerbe, M.-C. and Harmon, R.S. ..... 70(1/2): 9
Harmon, R.S., see Briot, D. et al. ..... 89(3/4): 281–303
Harnish, R.A., see Kimball, B.A. et al. ..... 96(1/2): 227–239
Harnois, L. and Moore, J.M., Geochemistry and origin of the Ore Chimney Formation, a transported paleoregolith in the Grenville Province of southeastern Ontario, Canada ..... 69(3/4): 267–289
Harnois, L. and Morency, M., Geochemistry of Mount Orford ophiolite complex, Northern Appalachians, Canada ..... 77(2): 133–147
Harnois, L., Mineau, R. and Morency, M., Rare-earth element geochemistry of alnoitic Cretaceous rocks and ultramafic xenoliths from Île Bizard (Québec, Canada) ..... 85(1/2): 135–145
Harper, C.L., New applications of geochronological measurements to the unification programme in physics and cosmology ..... 70(1/2): 25
Harris, C., see Smith, H.S. et al. ..... 70(1/2): 148
Harris, Ch., Smith, H.S., Milner, S.C., Erlank, A.J. and Duncan, A.R., Oxygen isotope geochemistry of the Etendeka Formation lavas, Namibia ..... 70(1/2): 56
Harris, J., see Turner, G. et al. ..... 70(1/2): 142
Harris, N., see Rowland, F.S. et al. ..... 70(1/2): 104
Harris, N.B.W., Gravestock, P. and Inger, S., Ion-microprobe determinations of trace-element concentrations in garnets from anatectic assemblages ..... 100(1/2): 41– 49

Harrison, S.A., see Swart, P.K. et al. ..... *79(2): 113–123
Harrison, T.M., Some observations on the interpretation of feldspar $^{40}Ar/^{39}Ar$ results ..... *80(3): 219–229
Hart, R., Hogan, L. and Dymond, J., The closed-system approximation for evolution of argon and helium in the manle, crust and atmosphere ..... *52(1): 45– 73
Hart, R.J., Andreoli, M.A.G. and Smith, C.B., Ultramafic outcrop in the centre of Vredefort: Possible exposure of upper mantle? ..... 70(1/2): 69
Hart, R.J., Andreoli, M.A.G., Tredoux, M. and De Wit, M.J., Geochemistry across an exposed section of Archaean crust at Vredefort, South Africa: with implications for mid-crustal discontinuities ..... 82(1/2): 21– 50
Hart, R.J., Andreoli, M.A.G., Smith, C.B., Otter, M.L. and Durrheim, R., Ultramafic rocks in the centre of the Vredefort structure (South Africa): Possible exposure of the upper mantle? ..... 83(3/4): 233–248
Hart, R.J., see Andreoli, M.A.G. et al. ..... 70(1/2): 69
Hart, R.J., see Tredoux, M. et al. ..... 70(1/2): 121
Hart, S.R. and Zindler, A., In search of a bulk-Earth composition ..... 57(3/4): 247–267
Hart, S.R., see Taras, B.D. and Hart, S.R. ..... 64(1/2): 35– 54
Hartley, G., see Macko, S.A. et al. ..... 93(1/2): 147–161
Hassanipak, A.A. and Wampler, J.M., A search for initial $^{40}Ar/^{36}Ar$ ratios of Permian rock salt from the Palo Duro Basin, Texas ..... 70(1/2): 37
Hassanipak, A.A., see Wampler, J.M. and Hassanipak, A.A. ..... 70(1/2): 180
Hasso, A.A., see Dhannoun, H.Y. et al. ..... 69(1/2): 87– 93
Hatch, J.R. and Leventhal, J.S., Relationship between inferred redox potential of the depositional environment and geochemistry of the Upper Pennsylvanian (Missourian) Stark Shale Member of the Dennis Limestone, Wabaunsee County, Kansas, U.S.A. ..... 99(1/3): 65– 82
Hatcher, P., see Macko, S.A. et al. ..... 93(1/2): 147–161
Hatcher, S.A., see Simon, N.S. et al. ..... 100(3/4): 175–189
Hatta, T., Changes of specific heat capacity and heat capacity during weathering ..... 60(1/4): 131–136
Hattori, K., see Cameron, E.M. and Hattori, K. ..... *65(3/4): 341–358
Hatziyannis, G., see Foscolos, A.E. et al. ..... 76(1/2): 107–130
Hauff, P.L., Kruse, F.A. and Thiry, M., Characterisation of interstratified kaolinite/smectite clays using infrared reflectance spectroscopy (1.2–2.5 μm) ..... 84(1/4): 267–270
Haverslew, B., see Tammemagi, H.Y. et al. ..... 55(3/4): 375–385
Hawkesworth, C.J., Kempton, P.D., Rogers, N.W. and Van Calsteren, P., Continental mantle lithosphere ..... 70(1/2): 51
Hawkesworth, C.J., Erlank, A.J., Kempton, P.D. and Waters, F.G., Mantle metasomatism: Isotope and trace-element trends in xenoliths from Kimberley, South Africa ..... 85(1/2): 19– 34
Hawkesworth, C.J., see McGibbon, F.M. et al. ..... 70(1/2): 12
Hawkesworth, C.J., see Ellam, R.M. et al. ..... 70(1/2): 49
Hawkesworth, C.J., see Kempton, P.D. et al. ..... 70(1/2): 51
Hawkesworth, C.J., see Rogers, N.W. et al. ..... 70(1/2): 56
Hawkesworth, C.J., see McDermott, F. and Hawkesworth, C.J. ..... 70(1/2): 71
Hawkesworth, C.J., see Van Calsteren, P.W. et al. ..... 70(1/2): 74
Hawkesworth, C.J., see McDermott, F. et al. ..... 70(1/2): 128
Hawkesworth, C.J., see Ormerod, D.S. et al. ..... 70(1/2): 154
Hawkesworth, C.J., see Ellam, R.M. et al. ..... 83(3/4): 165–181
Hawkesworth, C.J., see McDermott, F. and Hawkesworth, C.J. ..... 83(3/4): 263–280
Hawkesworth, R.M., Ellam, R.M. and Rogers, G., Chemical fluxes and wedge turnover rates along recent destructive plate margins ..... 70(1/2): 69
Hawkins, J.W., see Vallier, T.L. et al. ..... 91(3): 227–256
Hawksworth, C.J., see Erlank, A.J. et al. ..... 70(1/2): 202
Hay, G.W., see Beauchemin, D. et al. ..... 95(1/2): 187–198
Hayatsu, A. and Waboso, C.E., The solubility of rare gases in silicate melts and implications for K–Ar dating *52(1): 97–102
Hayes, J.M., see Wachter, E.A. and Hayes, J.M. ..... *52(3/4): 365–374
Hayes, J.M., see Fry, B. et al. ..... *58(3): 253–258
Hayes, J.M., see Fry, B. et al. ..... *73(3): 205–210
Healey, D.C., see Jackson, S.E. et al. ..... 83(1/2): 119–132
Heaman, L.M., The Sr, Nd and Pb isotope composition of kimberlitic perovskite: Implications for the isotope nature of the subcontinental mantle ..... 70(1/2): 51
Heaman, L.M., see Bergeron, M. and Heaman, L.M. ..... 54(3/4): 333–337
Heaman, L.M., see Marcantonio, F. et al. ..... 83(3/4): 297–314
Hearty, P.J., see Hoang, C.-T. and Hearty, P.J. ..... *79(4): 317–323
Heath, R.T., *The Global Water Cycle — Geochemistry and Environment* by E.K. Berner and R.A. Berner (Book Review) ..... 69(3/4): 357
Heaton, T.H.E., Isotopic studies of nitrogen pollution in the hydrosphere and atmosphere: a review ..... *59(1): 87–102

Hebeda, E.H., see Andriessen, P.A.M. et al. ... 91(1): 33– 48
Hébert, R. and Laurent, R., Mineral chemistry of ultramafic and mafic plutonic rocks of the Appalachian ophiolites, Québec, Canada ... 77(3/4): 265–285
Hébert, R., Serri, G. and Hékinian, R., Mineral chemistry of ultramafic tectonites and ultramafic to gabbroic cumulates from the major oceanic basins and Northern Apennine ophiolites (Italy) — A comparison ... 77(3/4): 183–207
Hébert, R., see Laurent, R. and Hébert, R. ... 77(3/4): 287–302
Hedenquist, J.W., see Ikeya, M. et al. ... 56(3/4): 185–192
Hegarty, K.A., see Green, P.F. et al. ... *79(2): 155–182
Hegner, E. and Bevier, M.L., Nd and Pb isotopic constraints on the origin of the Purtuniq ophiolite and Early Proterozoic Cape Smith Belt, northern Québec, Canada ... 91(4): 357–371
Hegner, E. and Smith, I.E.M., Isotopic compositions of late Cenozoic volcanics from southeast Papua New Guinea: Evidence for multi-component sources in arc and rift environments ... 97(3/4): 233–249
Heijnis, H. and Van der Plicht, J., Uranium/thorium dating of Late Pleistocene peat deposits in NW Europe, Uranium/thorium isotope systematics and open-system behaviour of peat layers ... *94(3): 161–171
Heimann, M., Monfray, P. and Polian, G., Long range transport of Rn-222: A test for 3D tracer models ... 70(1/2): 98
Hein, U.F. and Tistl, M., Characteristics of fluid inclusions in the porphyry copper deposit at La Granja, Peru ... 61(1/4): 183–192
Hejl, E., see Wagner, G.A. and Hejl, E. ... *87(1): 1– 9
Hékinian, R., see Hébert, R. et al. ... 77(3/4): 183–207
Helgeson, H.C. and Shock, E.L., Kinetic and thermodynamic constraints on phase relations among minerals, petroleum, and aqueous solutions in diagenetic processes ... 70(1/2): 78
Heller, F., see Henken-Mellies, W.U. et al. ... 70(1/2): 119
Heller-Kallai, L., see Yariv, S. et al. ... 68(3/4): 199–205
Heller-Kallai, L., see Miloslavski, I. et al. ... 91(3): 287–296
Helleur, R., see Macko, S.A. et al. ... 93(1/2): 147–161
Hellmann, R., see Crerar, D. et al. ... 70(1/2): 77
Helvaci, C., see Yilmaz, H. and Helvaci, C. ... 54(1/2): 127–133
Hemingway, B.S., see Richet, P. et al. ... 70(1/2): 89
Hemond, C., see Sigmarsson, O. et al. ... 70(1/2): 129
Hemond, Ch. and Hofmann, A.W., ^{230}Th–^{238}U disequilibria of Hawaiian basalts: constraints on source and magma genesis ... 70(1/2): 127
Hemond, H.F., see Genereux, D.P. and Hemond, H.F. ... *87(3/4): 265–275
Hendry, G.L., see Leat, P.T. et al. ... 81(1/2): 23– 43
Henjes-Kunst, F., Altherr, R., Kreuzer, H. and Hansen. B.T., Disturbed U–Th–Pb systematics of young zircons and uranothorites: the case of the Miocene Aegean granotoids (Greece) ... *73(2): 125–145
Henken-Mellies, W.U., Beer, J., Heller, F., Hsü, K.J., Shen, C. and Wölfli, W., Be-10 variations in a South Atlantic DSDP-core: interrelation with geomagnetic reversals and climatic variations ... 70(1/2): 119
Henley, R.W., see Hoffmann, C.F. et al. ... 70(4): 287–299
Hennet, R.J-C., Crerar, D.A. and Schwartz, J., The effect of carbon dioxide partial pressure on metal transport in low-temperature hydrothermal systems ... 69(3/4): 321–330
Henney, P.J., see Holden, P. et al. ... 92(1/3): 135–152
Henstridge, D.A., see Patterson, J.H. and Henstridge, D.A. ... 82(3/4): 319–339
Herbillon, A.J., see Trolard, F. et al. ... 84(1/4): 294–297
Herbosch, A., see Boski, T. and Herbosch, A. ... 82(3/4): 279–297
Herczeg, A.L., Early diagenesis of organic matter in lake sediments: A stable carbon isotope study of pore waters ... *72(3): 199–209
Herczeg, A.L., Simpson, H.J., Anderson, R.F., Trier, R.M., Mathieu, G.G. and Deck, B.L., Uranium and radium mobility in groundwaters and brines within the Delaware Basin, southeastern New Mexico, U.S.A. ... *72(2): 181–196
Herczeg, A.L., Barnes, C.J., Macumber, P.G. and Olley, J.M., A stable isotope investigation of groundwater–surface water interactions at Lake Tyrrell, Victoria, Australia ... 96(1/2): 19– 32
Herczeg, A.L., see Lyons, W.B. et al. ... 96(1/2): vii
Herczeg, A.L., see Dickson, B.L. and Herczeg, A.L. ... 96(1/2): 95–114
Herczeg, A.L., see Lyons, W.B. et al. ... 96(1/2): 115–132
Herczeg, A.L., see Dickson, B.L. and Herczeg, A.L. ... 96(1/2): 151–166
Hergt, J.M., see Chappell, B.W. and Hergt, J.M. ... 78(2): 151–158
Herman, J.S. and Lorah, M.M., CO_2 outgassing and calcite precipitation in Falling Spring Creek, Virginia, U.S.A. ... 62(3/4): 251–262
Hernandez, J., see Odin, G.S. et al. ... *59(2/3): 171–180
Hertogen, J., Lopez-Ruiz, J., Demaiffe, D. and Weis, D., Modelling of source enrichment and melting processes for the calcalkaline–shoshonite–lamproite suite from S.E. Spain ... 70(1/2): 153
Hertogen, J., see André, L. et al. ... 57(1/2): 101–115
Hertogen, J., see De Mulder, M. et al. ... 57(1/2): 117–136

Hertogen, J., see Sneyers, A. et al. ... 70(1/2): 129
Herut, B., Starinsky, A., Katz, A., Bein, A. and Garfunkel, Z., Subsurface brine formation by seawater freezing 70(1/2): 196
Hervalejo, M.V., see Armenteros, I. et al. ... 84(1/4): 194–197
Herve, A., see Clozel, B. et al. ... 84(1/4): 259–261
Hess, J.C. and Lippolt, H.J., $^{40}Ar/^{39}Ar$ ages of tonstein and tuff sanidines: New calibration points for the improvement of the Upper Carboniferous time scale ... *59(2/3): 143–154
Hess, J.C. and Lippolt, H.J., Kinetics of Ar isotopes during neutron irradiation: ^{39}Ar loss from minerals as a source of error in $^{40}Ar/^{39}Ar$ dating ... *59(4): 223–236
Hess, J.C., Lippolt, H.J. and Wirth, R., Interpretation of $^{40}Ar/^{39}Ar$ spectra of biotites: Evidence from hydrothermal degassing experiments and TEM studies. ... *66(1/2): 137–149
Hess, J.C., see Fuhrmann, U. et al. ... *66(1/2): 40– 51
Hess, J.W., see Ingraham. N.L. et al. ... *86(1): 65– 74
Hetherington, E.A., see Koepnick, R.B. et al. ... *58(1/2): 55– 81
Hetherington, E.A., see Koepnick, R.B. et al. ... *80(4): 327–349
Heusser, E., Kirsten, T., Rocholl, A. and Richter, H., Noble gas isotopes in Hawaiian xenoliths ... 70(1/2): 37
Hickmott, D.D., see Frantz, J.D. et al. ... 76(1/2): 57– 70
Hickson, C.J., see Juras, S.J. et al. ... 64(1/2): 143–148
Hieronymus, B., Kotschoubey, B., Bouleque, J., Benedetti, M., Godot, J.-M. and Truckenbrodt, W., Aluminium behaviour in some alterites of eastern Amazonia (Brazil) ... 84(1/4): 74– 77
Hieronymus, B., Bouleque, J. and Kotschoubey, B., Gallium behaviour in some intertropical environment alterations ... 84(1/4): 78– 82
Hieronymus, B., see Benedetti, M. et al. ... 84(1/4): 27– 30
Hieshima, G.B., see Mauk, J.L. and Hieshima, G.B. ... 99(1/3): 189–211
Hietel, B., see Forster, M. et al. ... *79(4): 325–332
Hietel, B., see Forster, M. et al. ... *80(2): 179
Higgins, N.C., see Robinson, P. et al. ... 55(1/2): 121–137
Higgins, N.C., see Hoffmann, C.F. et al. ... 70(4): 287–299
Higgs, N., see Jarvis, I. et al. ... 70(1/2): 10
Hildreth, W., see Halliday, A.N. et al. ... 92(1/3): 107–114
Hillaire-Marcel, C., Causse, C., Carro, O., Casanova, J., Ghaleb, B. and Goetz, C., Th/U dating of open carbonate systems ... 70(1/2): 127
Hilton, D.R. and Craig, H., Helium and carbon isotope and abundance systematics of ocean island basalts: new results from Loihi, Mehetia and MacDonald Seamount ... 70(1/2): 37
Hilton, D.R., Jenden, P.D., Jeffrey, A.W.A., Kaplan, I. and Craig, H., Helium isotopes in continental natural cases: results from Siljan, the Hugoton Panhandle and Appalachian basin ... 70(1/2): 202
Hilton, D.R., Grönvold, K., O'Nions, R.K. and Oxburgh, E.R., Regional distribution of ^{3}He anomalies in the Icelandic crust ... 88(1/2): 53– 67
Hilton, D.R., see Martel, D.J. et al. ... 88(3/4): 207–221
Hilton, J., Lishman, J.P. and Chapman, J.S., Magnetic and chemical characterisation of a diagenetic magnetic mineral formed in the sediments of productive lakes ... 56(3/4): 325–333
Hines, M.E., Lyons, W.B., Lent, R.M. and Long, D.T., Sedimentary biogeochemistry of an acidic, saline goundwater discharge zone in Lake Tyrrell, Victoria, Australia ... 96(1/2): 53– 65
Hines, M.E., see Lyons, W.B. et al. ... 96(1/2): vii
Hines, M.E., see Long, D.T. et al. ... 96(1/2): 33– 52
Hines, M.E., see Lyons, W.B. et al. ... 96(1/2): 115–132
Hines, M.E., see Fegan, N.E. et al. ... 96(1/2): 167–181
Hines, M.E., see Long, D.T. et al. ... 96(1/2): 183–202
Hinkley, T.K., Seeley, J.L. and Tatsumoto, M., Major- and minor-metal composition of three distinct solid material fractions associated with Juan de Fuca hydrothermal fluids (northeast Pacific), and calculation of dilution fractions of fluid samples ... 70(3): 235–248
Hinton, R.W., Ion microprobe trace-element analysis of silicates: Measurement of multi-element glasses ... 83(1/2): 11– 25
Hinton, R.W., see Veizer, J. et al. ... 64(3/4): 225–237
Hirakawa, K., see Hirono, S. et al. ... 60(1/4): 281–286
Hirner, A.V. and Hahn-Weinheimer, P., Organometallic geochemistry — State-of-the-art ... 70(1/2): 116
Hirner, A.V. and Xu, Z., Trace metal speciation in Julia Creek oil shale ... 91(2): 115–124
Hirner, A.V., see Robinson, B.W. et al. ... *86(4): 295–306
Hirono, S., Hirakawa, K. and Hanada, K., Uranium-bearing phoscrete from Mali, West Africa ... 60(1/4): 281–286
Hiyagon, H., see Torgersen, T. et al. ... 70(1/2): 42
Hladky, G. and Wilkins, R.W.T., A new approach to fluid inclusion decrepitometry — Practice ... 61(1/4): 37– 45
Hoang, C.-T. and Hearty, P.J., A comparison of U-series disequilibrium dates and amino acid epimerization ratios between corals and marine molluscs of Pleistocene age ... *79(4): 317–323

Hoashi, M., Varela-Alvarez, H., Brooks, R.R., Reeves, R.D., Ryan, D.E. and Holzbecher, J., Revised classification of some iron meteorites by use of statistical procedures ... 98(1/2): 1– 10
Hoashi, M., see Wilson, S.M. et al. ... 75(4): 305–310
Hochella, M.F., see Stipp, S. and Hochella, M.F. ... 84(1/4): 326–328
Höck, V. and Koller, F., Magmatic evolution of the Mesozoic ophiolites in Austria ... 77(3/4): 209–227
Höck, V., see Liew, T.C. et al. ... 76(1/2): 41– 55
Hodell, D.A., Mead, G.A. and Mueller, P.A., Variation in the strontium isotopic composition of seawater (8 Ma to present): Implications for chemical weathering rates and dissolved fluxes to the oceans ... *80(4): 291–307
Hoede, D., see Van der Weijden, C.H. et al. ... 70(1/2): 19
Hoefs, J., Müller, G., Schuster, K.A. and Walde, D., The Fe–Mn ore deposits of Urucum, Brazil: an oxygen isotope study ... *65(3/4): 311–319
Hoefs, J., see Morteani, G. et al. ... 54(1/2): 53– 68
Hoefs, J., see Simon, K. and Hoefs, J. ... 61(1/4): 253–261
Hoefs, J., see Usdowski, E. and Hoefs, J. ... *73(1): 79– 85
Hoefs, J., see Usdowski, E. and Hoefs, J. ... *80(2): 109–118
Hoek, P.L., see Sipiera, P.P. et al. ... 54(1/2): 17– 26
Hoering, T.C., see Macko, S.A. et al. ... *65(1): 79– 92
Hoering, T.C., see Frantz, J.D. et al. ... 76(1/2): 57– 70
Hoering, T.C., see Frantz, J.D. et al. ... 98(3/4): 237–255
Hoernes, St., see Miller, Ch. et al. ... 67(1/2): 103–118
Hoffmann, C.F., Henley, R.W., Higgins, N.C., Solomon, M. and Summons, R.E., Biogenic hydrocarbons in fluid inclusions from the Aberfoyle tin–tungsten deposit, Tasmania, Australia ... 70(4): 287–299
Hofmann, A.W., Nb in Hawaiian magmas: Constraints on source composition and evolution ... 57(1/2): 17– 30
Hofmann, A.W., see Watson, E.B. et al. ... 62(3/4): 191–208
Hofmann, A.W., see Stein, M. and Hofmann, A.W. ... 70(1/2): 9
Hofmann, A.W., see Hemond, Ch. and Hofmann, A.W. ... 70(1/2): 127
Hofmann, A.W., see Jochum, K.P. and Hofmann, A.W. ... 75(3): 249–251
Hofmann, B.A., Reduction spheroids from northern Switzerland: Mineralogy, geochemistry and genetic models 81(1/2): 55– 81
Hofmann, H.J., see Mangini, A. et al. ... 70(1/2): 110
Hofmeister, A.M., *Chemical Bonding and Spectroscopy in Mineral Chemistry* by F.J. Berry and D.J. Vaughan (Editors) (Book Review) ... 63(3/4): 355–366
Hogan, L., see Hart, R. et al. ... *52(1): 45– 73
Höhener, P., see Wersin, P. et al. ... 84(1/4): 210–211
Höhener, P., see Wersin, P. et al. ... 90(3/4): 233–252
Höhndorf, A., see Carl, C. et al. ... 70(1/2): 133
Holden, P., Halliday, A.N., Stephens, W.E. and Henney, P.J., Chemical and isotopic evidence for major mass transfer between mafic enclaves and felsic magma ... 92(1/3): 135–152
Holden, P., see Halliday, A.N. et al. ... 92(1/3): 107–114
Holdren, Jr., G.R., see Cygan, R.T. et al. ... 78(3/4): 229–244
Holdren, Jr., G.R., Casey, W.H., Westrich, H.R., Carr, M. and Boslough, M., Bulk dislocation densities and dissolution rates in a calcic plagioclase ... 70(1/2): 79
Holland, J.G., Pearce, J.A. and Oakley, P.J., Analysis of trace elements in igneous rocks by ICP mass spectrometry ... 70(1/2): 204
Holland, J.G., see Eaton, A.N. et al. ... 95(1/2): 63– 71
Hollander, D.J., Environmental factors controlling the preservation and accumulation of organic matter ... 84(1/4): 215–216
Holliger, P. and Cathelineau, M., In situ U–Pb age determination by secondary ion mass spectrometry ... 70(1/2): 173
Holliger, P., Pagel, M. and Pironon, J., A model for ^{238}U radioactive daughter loss from sediment-hosted pitchblende deposits and the Late Permian–Early Triassic depositional U–Pb age of the Müllenbach uranium ore (Baden–Württemberg, F.R.G.) ... *80(1): 45– 53
Holliger, P., see Cathelineau, M. and Holliger, P. ... 70(1/2): 188
Holliger, Ph., see Rocchia, R. et al. ... 70(1/2): 120
Holloway, R.W. and Farmer, D.E., Uranium and thorium abundance measurements across the Cretaceous–Tertiary boundary in Colorado, U.S.A. ... 89(1/2): 201–207
Holm, N.G., Biogenic influences on the geochemistry of certain ferruginous sediments of hydrothermal origin 63(1/2): 45– 57
Holm, N.G., Arsenic regeneration from estuarine sediments of the Bothnian Bay, Sweden ... 68(1/2): 89– 98
Holm, N.G., The $^{13}C/^{12}C$ ratios of siderite and organic matter of a modern metalliferous hydrothermal sediment and their implications for banded iron formations ... 77(1): 41– 45
Holm, P.E., The geochemical fingerprints of different tectonomagmatic environments using hygromagmatophile element abundances of tholeiitic basalts and basaltic andesites ... 51(3/4): 303–323
Holm, P.M., Gill, R.C.O., Pedersen, A.K., Larsen, J.G., Hald, N., Nielsen, T.D.F. and Thirlwall, M.F., Tertiary picrites of West Greenland: Petrogenetic implications of trace element and Sr–Nd isotope geochemistry .. 70(1/2): 49

Holmes, J.A., Hales, P.E. and Street-Perrott, F.A., Trace-element chemistry of non-marine ostracods as a means of palaeolimnological reconstruction: An example from the Quaternary of Kashmir, northern India 95(1/2): 177–186
Holtz, F., Behrens, H., Dingwell, D.B. and Taylor, R.P., Water solubility in almuninosilicate melts of haplogranite composition at 2 kbar 96(3/4): 289–302
Holtz, F., see Pichavant, M. et al. 70(1/2): 88
Holtz, F., see Pichavant, M. et al. 96(3/4): 303–319
Holzbecher, J., see Sipiera, P.P. et al. 54(1/2): 17– 26
Holzbecher, J., see Sipiera, P.P. et al. 64(3/4): 351–356
Holzbecher, J., see Ryan, D.E. et al. 85(3/4): 295–303
Holzbecher, J., see Hoashi, M. et al. 98(1/2): 1– 10
Hoorn, M.C., see Kroonenberg, S.B. and Hoorn, M.C. 84(1/4): 92– 95
Horita, J., Hydrogen isotope analysis of natural waters using an H_2–water equilibration method: A special implication to brines *72(1): 89– 94
Horita, J., Analytical aspects of stable isotopes in brines *79(2): 107–112
Horita, J. and Gat, J.R., Procedure for the hydrogen isotope analysis of water from concentrated brines *72(1): 85– 88
Horn, E.E. and Behr, H.-J. (Guest-Editors), Preface to Special Issue "Current Research on Fluid Inclusions, ECRFI, Göttingen, April 10–12, 1985" 61(1/4): vii
Horn, E.E. and Traxel, K., Investigations of individual fluid inclusions with the Heidelberg proton microprobe — A nondestructive analytical method 61(1/4): 29– 35
Horn, E.E., see Schmidt-Mumm, A. et al. 61(1/4): 135–145
Horn, E.E., see Behr, H.J. et al. 61(1/4): 273–285
Horn, P., Köhler, H. and Müller-Sohnius, D., Rb–Sr-Isotopengeochemie hydrothermaler Quarze des Bayerischen Pfahles und eines Flusspat–Schwerspat-Ganges von Nabburg–Wölsendorf/Bundesrepublik Deutschland. (The Rb–Sr isotope geochemistry of hydrothermal quartz from the Bayerischer Pfahl and a fluorite–barite vein from Nabburg–Wölsendorf, Federal Republic of Germany) *58(3): 259–272
Horowitz, A.J. and Elrick, K.A. Callender, E., The effect of mining on the sediment–trace element geochemistry of cores from the Cheyenne River arm of Lake Oahe, South Dakota, U.S.A. 67(1/2): 17– 33
Horsky, S.J., see Juras, S.J. et al. 64(1/2): 143–148
Hort, M. and Spohn, T., Numerical calculations on the crystallization and thermal histories of two-component melts 70(1/2): 79
Hosterman, J.W., see Ericksen, G.E. et al. 67(1/2): 85–102
Hostettler, F.D., see Kvenvolden, K.A. et al. 93(1/2): 101–110
Hotzl, H., see Smykatz-Kloss, W. et al. 84(1/4): 206–207
House, W.A., see Howson, M.R. et al. 64(1/2): 79– 87
Hovey, J.K., see Nguyen-Trung, C. et al. 70(1/2): 190
Howard, J.M., see Ledger, E.B. et al. 69(1/2): 165–169
Howell, V.J., see Killops, S.D. and Howell, V.J. 91(1): 65– 79
Howson, M.R., Pethybridge, A.D. and House, W.A., Synthesis and distribution coefficient of low-magnesium calcites 64(1/2): 79– 87
Hradetzky, H., see Lippolt, H.J. et al. *59(2/3): 187–204
Hsü, K.J., see Henken-Mellies, W.U. et al. 70(1/2): 119
Huang, S.-F., The origin and significance of the distribution of crude oils with different maturation levels in the Baise Basin, southern China 70(1/2): 16
Huang, W.L. and Longo, J.M., The effect of organics on feldspar dissolution and the development of secondary porosity 98(3/4): 271–292
Huang, W.W., see Zhang, J. et al. 89(1/2): 189–199
Hubberten, H.-W., Katz-Lehnert, K. and Keller, J., Carbon and oxygen isotope investigations in carbonites and related rocks from the Kaiserstuhl, Germany 70(3): 257–274
Huebner, J.S., Flohr, M.J.K. and Grossman, J.N., Chemical fluxes and origin of a manganese carbonate–oxide–silicate deposit in bedded chert 100(1/2): 93–118
Huertas, F., see Caballero, E. et al. 89(3/4): 353–358
Huertas, F., see Fiore, S. et al. 99(4): 237–252
Huff, G.F. and Wampler, J.M., K–Ar geochemistry of carnallite from salt-cycle six of the Paradox Formation in Utah, U.S.A. *80(4): 309–318
Hughes, P., see Bonnett, R. et al. 91(2): 193–206
Huijsmans, J.P.P., see Oostindiër, J. et al. 81(3): 209–220
Huismans, J.P.P., see Sneyers, A. et al. 70(1/2): 129
Hülsemann, J., *Fjords: Processes and Products* by J.P.M. Syvitski, D.C. Burrell and J.M. Skei (Book Review) 77(2): 163–164
Humphrey, R., see Mann, H. et al. 63(1/2): 39– 43
Hünemohr, H. and Begemann, F., Nucleogenic Ne in crustal material 70(1/2): 38

Hunt, J.W. and Smith, J.W., $^{34}S/^{32}S$ ratios of low-sulfur Permian Australian coals in relation to depositional environments ... *58(1/2): 137–144
Hunter, D.R., Geochemical heterogeneity of the bimodal suite, Swaziland: implications for crustal growth ... 70(1/2): 145
Hunziker, J.C., The evolution of illite to muscovite: An example of the behaviour of isotopes in low-grade metamorphic terrains ... 57(1/2): 31– 40
Hunziker, J.C., see Vidal, Ph. and Hunziker, J.C. ... *52(2): 129–141
Hunziker, J.C., see Oberhänsli, R. et al. ... *52(2): 165–184
Hunziker, J.C., see Jäger, E. et al. ... *52(3/4): 275–279
Hunziker, J.C., see Odin, G.S. et al. ... *59(2/3): 117–125
Hunziker, J.C., see Odin, G.S. et al. ... *59(2/3): 171–180
Hurai, V. and Stresko, V., Correlation between quartz crystal morphology and composition of fluid inclusions as inferred from fissures in central Slovakia (Czechoslovakia) ... 61(1/4): 225–239
Hurford, A.J., Standardization of fission track dating calibration: Recommendation by the Fission Track Working Group of the I.U.G.S. Subcommission on Geochronology (Letter to the Editor) ... *80(2): 171–178
Hurford, A.J. and Hammerschmidt, K., $^{40}Ar/^{39}Ar$ and K/Ar dating of the Bishop and Fish Canyon Tuffs: Calibration ages for fission-track dating standards ... *58(1/2): 23– 32
Hurford, A.J. and Watkins, R.T., Fission-track age of the tuffs of the Buluk Member, Bakate Formation, northern Kenya: A suitable fission-track age standard ... *66(3/4): 209–216
Hurford, A.J., see Jäger, E. et al. ... *52(3/4): 275–279
Hurford, A.J., see Odin, G.S. et al. ... *59(2/3): 127–131
Hut, G., see Tanweer, A. et al. ... *73(2): 199–203
Hutcheon, I.D., see Spivack, A.J. et al. ... 70(1/2): 155
Hutchinson, R.W., Giant pyritic base-metal deposits: the example of Feitais (Aljustrel, Portugal) — Comments (Discussion) ... 90(3/4): 343–349
Hutton, R.C., see Eaton, A.N. et al. ... 70(1/2): 174
Hutton, R.C., see Eaton, A.N. et al. ... 95(1/2): 63– 71

Iacumin, P., Piccirillo, E.M. and Longinelli, A., Oxygen isotopic composition of Lower Cretaceous tholeiites and Precambrian basement rocks from the Paraná basin (Brazil): The role of water–rock interaction ... *86(3): 225–237
Iannace, A., see Boni, M. et al. ... *72(3): 267–282
Ibsen, J., see Fritz, P. et al. ... *79(2): 99–105
Iga, T., see Yamamoto, M. and Iga, T. ... *80(2): 127–131
Igari, S., see Sakata, S. et al. ... 74(3/4): 241–248
Ige, O.A. and Asubiojo, O.I., Trace element geochemistry and petrogenesis of some meta-ultramafites in Apomu and Ife-Ilesa areas of southwestern Nigeria ... 91(1): 19– 32
Iglesias Ponce de Léon, M., see Bernard-Griffiths, J. et al. ... *52(2): 217–225
Ikeya, M., Devine, S.D., Whitehead, N.E. and Hedenquist, J.W., Detection of methane in geothermal quartz by ESR ... 56(3/4): 185–192
Ikingura, J.R., see Taylor, R.P. et al. ... *94(3): 215–227
Ikramuddin, M., see Massa, P.J. and Ikramuddin, M. ... 54(1/2): 27– 34
Ildefonse, P., Agrinier, P. and Muller, J.-P., Crystal-chemistry and isotope geochemistry of alteration associated with the uranium Nopal I deposit, Chihuahua, Mexico ... 84(1/4): 371–372
Ildefonse, Ph., see Calas, G. et al. ... 84(1/4): 253–254
Ildefonse Philippe, Supergene evolution of basaltic rocks: examples from Cantal (France) and from Bamileke Plateau (Cameroon) ... 70(1/2): 116
Ilger, J.D., Ilger, W.A., Zingaro, R.A. and Mohan, M.S., Modes of occurrence of uranium in carbonaceous uranium deposits: Characterization of uranium in a south Texas (U.S.A.) lignite ... 63(3/4): 197–216
Ilger, W.A., see Ilger, J.D. et al. ... 63(3/4): 197–216
Ilmasti, M., see Blomqvist, R.G. et al. ... 70(1/2): 158
Ineson, P.R., see Mitchell, J.G. et al. ... *72(2): 111–126
Ineson, P.R., see Mitchell, J.G. et al. ... *79(1): 49– 64
Ingall, E.D., Schroeder, P.A. and Berner, R.A., Characterization of organic phosphorus in marine sediments by ^{31}P NMR ... 84(1/4): 220–223
Inger, S., see Harris, N.B.W. et al. ... 100(1/2): 41– 49
Ingraham, N.L. and Matthews, R.A., A stable isotopic study of fog: the Point Reyes Peninsula, California, U.S.A. ... *80(4): 281–290
Ingraham. N.L., Chapman, J.B. and Hess, J.W., Stable isotopes in cave pool systems: Carlsbad Cavern, New Mexico, U.S.A. ... *86(1): 65– 74
Ingri, J. and Pontér, C., Iron and manganese layering in recent sediments in the Gulf of Bothnia ... 56(1/2): 105–116
Ingri, J., see Pontér, C. et al. ... 81(1/2): 121–131
Ingrin, J. and Doukhan, J.C., New electron microscopy and infrared spectroscopy data on water in diopside . 70(1/2): 162

Introne, D.S., see Marion, G.M. et al. ..... *86(2): 97–110
Irifune, T., see Ringwood, A.E. et al. ..... 70(1/2): 64
Irish, D., see Crerar, D. et al. ..... 70(1/2): 159
Isaev, V.P., see Karpov, I.K. and Isaev, V.P. ..... 70(1/2): 9
Ishibashi, J.-I., see Grimaud, D. et al. ..... 93(3/4): 209–218
Ishikawa, T., see Nakamura, E. et al. ..... *94(3): 193–204
Ishiwatari, R., see Kawamura, K. and Ishiwatari, R. ..... 51(1/2): 123–133
Ishiwatari, R., see Fukushima, K. et al. ..... 64(1/2): 169–179
Ishizaka, K., see Tatsumi, Y. et al. ..... 68(3/4): 309–316
Ishizaka, K., see Nohda, S. et al. ..... 68(3/4): 317–327
Issar, A., see Avigour, A. et al. ..... 82(1/2): 69– 81
Itie, J.P., see Besson, J.M. et al. ..... 70(1/2): 60
Itie, J.P., see Andrault, D. et al. ..... 70(1/2): 60
Ito, E., White, W.M. and Göpel, Chr., The O, Sr, Nd and Pb isotope geochemistry of MORB ..... 62(3/4): 157–176
Ito, H., see Tagami, T. et al. ..... *80(2): 159–169
Ivanovich, M., *Specification of Fission and Activation Products in the Environment* by R.A. Bulman and J.R. Cooper (Editors) (Book Review) ..... 67(1/2): 181
Ivanovich, M. and Alexander, J., Application of uranium-series disequilibrium to studies of groundwater mixing in the Harwell region, U.K. ..... *66(3/4): 279–291
Ivanovich, M., see Airey, P.L. and Ivanovich, M. ..... 55(3/4): 203–213
Ivanovich, M., see Pyle, D.M. and Ivanovich, M. ..... 70(1/2): 129
Iwai, M., see Ogura, Y. et al. ..... 60(1/4): 259–271
Izquierdo, G., see Cathelineau, M et al. ..... 76(3/4): 229–238

Jackman, J.A., see Diamond, L.W. et al. ..... 90(1/2): 71– 78
Jackman, P., see Macko, S.A. et al. ..... 93(1/2): 147–161
Jackson, L.L., see Engleman, E.E. et al. ..... 53(1/2): 125–128
Jackson, P.F.S., see Smith, C.B. et al. ..... *79(2): 137–145
Jackson, S.E., Fryer, B.J., Gosse, W., Healey, D.C., Longerich, H.P. and Strong, D.F., Determination of the precious metals in geological materials by inductively coupled plasma–mass spectrometry (ICP-MS) with nickel sulphide fire-assay collection and tellurium coprecipitation ..... 83(1/2): 119–132
Jackson, S.E., see Longerich, H.P. et al. ..... 83(1/2): 105–118
Jackson, S.E., see Jenner, G.A. et al. ..... 83(1/2): 133–148
Jackson, W.E., see Brown, Jr., G.E. et al. ..... 70(1/2): 86
Jacob, D.J., Seasonal trends in Rn-222 concentrations over North America: Model vs. observations ..... 70(1/2): 99
Jacob, D.J., see Balkanksi, Y.J. and Jacob, D.J. ..... 70(1/2): 94
Jacobsen, S.B., Isotopic constraints on mantle evolution ..... 70(1/2): 69
Jacobsen, S.B., see Goldstein, S.J. and Jacobsen, S.B. ..... *66(3/4): 245–272
Jacobsen, S.B., see Derry, L.A. and Jacobsen, S.B. ..... 70(1/2): 142
Jaeger, E., see Chen, W.J. et al. ..... 71(4): 366
Jaeger, J.J., see Courtillot, Y. et al. ..... 70(1/2): 118
Jaffé, F.C., see Mazor, E. et al. ..... *72(1): 47– 61
Jäger, E., Chen Wen Ji., Hurford, A.J., Liu Ruo Xin., Hunziker, J.C. and Li Da Ming., BB-*6*: A Quaternary age standard for K–Ar dating ..... *52(3/4): 275–279
Jagoutz, E. and Zindler, A., Lead isotope systematics in eclogite nodules ..... 70(1/2): 51
Jagoutz, E., see Zindler, A. and Jagoutz, E. ..... 70(1/2): 58
Jahn, B.-M., Early crustal evolution as viewed from Archean basic rocks of China ..... 70(1/2): 141
Jahn, B.-M., see Chen, Chen-H. et al. ..... 88(3/4): 317–332
Jahn, B.M., see Chen, C.-H. et al. ..... 70(1/2): 67
Jahn, B.M., see Gruau, G. et al. ..... 70(1/2): 144
Jambon, A., He solubility in silicate melts: A tentative model of calculation ..... 62(1/2): 131–136
Jambon, A. and Zimmermann, J.L., Major volatiles from a North Atlantic MORB glass and calibration to He: A size fraction analysis ..... 62(3/4): 177–189
Jambon, A., Marty, B. and Zimmermann, J.L., Comparative geodynamics of noble gases and H_2O ..... 70(1/2): 38
Jambon, A., see Marty, B. et al. ..... 76(1/2): 25– 40
Jambon, A., see Marty, B. et al. ..... 91(3): 207–225
James, W.C., see Porter, E.W. and James, W.C. ..... 57(3/4): 359–369
James, W.C., see Porter, E.W. and James, W.C. ..... 63(3/4): 360
Jansen, J.B.H., see Ten Haven, H.L. et al. ..... 51(3/4): 225–238
Jansen, J.B-.H., see Voncken, J.H.L. et al. ..... 56(1/2): 93–103

Jaoul, O., Sautter, V. and Abel, F., Nuclear microanalysis: A powerful tool for measuring low atomic diffusivities ..... 70(1/2): 79
Jaoul, O., see Sautter, V. et al. ..... 70(1/2): 186
Jardine, R., see Smith, H.S. et al. ..... 70(1/2): 148
Jarvie, D.M., Factors affecting Rock-Eval derived kinetic parameters ..... 93(1/2): 79– 99
Jarvis, I. and Jarvis, K.E., Rare-earth element geochemistry of standard sediments: a study using inductively coupled plasma spectrometry ..... 53(3/4): 335–344
Jarvis, I. and Jarvis, K., Geochemistry of the Cenomanian/Turonian (Upper Cretaceous) boundary at Dover, England: A study using inductively coupled plasma–atomic emission and ICP–mass spectrometry (ICP–AES & ICP–MS) ..... 70(1/2): 9
Jarvis, I. and Jarvis, K.E. (Guest-Editors), Preface to Special Issue "Plasma Spectrometry in the Earth Sciences" ..... 95(1/2): vii
Jarvis, I. and Jarvis, K.E., Plasma spectrometry in the earth sciences: techniques, applications and future trends ..... 95(1/2): 1– 33
Jarvis, I., Pearce, T. and Higgs, N., Early diagenetic geochemical trends in Quaternary distal turbidites ..... 70(1/2): 10
Jarvis, I., see Barrett, T.J. and Jarvis, I. ..... 67(3/4): 243–259
Jarvis, I., see Pearce, I. and Jarvis, I. ..... 70(1/2): 197
Jarvis, I., see Totland, M. et al. ..... 95(1/2): 35– 62
Jarvis, K., see Jarvis, I. and Jarvis, K. ..... 70(1/2): 9
Jarvis, K.E., Inductively coupled plasma mass spectrometry: a new technique for the rapid or ultra-trace level determination of the rare-earth elements in geological materials ..... 68(1/2): 31– 39
Jarvis, K.E., Low level determination of the rare earth elements in rocks and minerals by inductively coupled plasma mass spectrometry ..... 70(1/2): 175
Jarvis, K.E., A critical evaluation of two sample preparation techniques for low-level determination of some geologically incompatible elements by inductively coupled plasma–mass spectrometry ..... 83(1/2): 89–103
Jarvis, K.E., Role of slurry nebulisation for the analysis of geological samples by inductively coupled plasma spectrometry ..... 95(1/2): 73– 84
Jarvis, K.E. and Williams, J.G., Is sample dissolution really necessary? Trace element analysis of solid samples by inductively coupled plasma mass spectrometry ..... 70(1/2): 175
Jarvis, K.E. and Williams, J.G., The analysis of geological samples by slurry nebulisation inductively coupled plasma–mass spectrometry ..... 77(1): 53– 63
Jarvis, K.E., see Jarvis, I. and Jarvis, K.E. ..... 53(3/4): 335–344
Jarvis, K.E., see Jarvis, I. and Jarvis, K.E. ..... 95(1/2): vii
Jarvis, K.E., see Jarvis, I. and Jarvis, K.E. ..... 95(1/2): 1– 33
Jarvis, K.E., see Totland, M. et al. ..... 95(1/2): 35– 62
Jaupart, C. and Vergniolle, S., The flow of gas and lava: A review of dynamic models for volcanic eruptions . 70(1/2): 38
Jaupart, C. and Brandeis, G., The record of magmatic processes by crystallization ..... 70(1/2): 87
Jaupart, C., see Tait, S. and Jaupart, C. ..... 70(1/2): 90
Javoy, M., The relationship between the isotopic composition of carbon in CO_2 from volcanoes and the thickness of the crust or depth of the magma chamber ..... 70(1/2): 38
Javoy, M., Carbon geodynamic cycle revisited ..... 70(1/2): 39
Javoy, M., Pineau, F. and Delorme, H., Carbon and nitrogen isotopes in the mantle ..... 57(1/2): 41– 62
Javoy, M., see Agrinier, P. et al. ..... *52(2): 145–162
Javoy, M., see Weis, D. et al. ..... 57(1/2): 201–215
Javoy, M., see Bottinga, Y. and Javoy, M. ..... 70(1/2): 36
Javoy, M., see Doublet, P. et al. ..... 70(1/2): 48
Javoy, M., see Stievenard, M. et al. ..... 70(1/2): 57
Javoy, M., see Halbout, J. et al. ..... 70(1/2): 119
Javoy, M., see Bottinga, Y. and Javoy, M. ..... 70(1/2): 182
Javoy, M., see Agrinier, P. and Javoy, M. ..... 70(1/2): 182
Javoy, M., see Agrinier, P. et al. ..... 71(4): 313–335
Javoy, M., see Fourcade, S. et al. ..... 77(2): 119–131
Javoy, M., see Bottinga, Y. and Javoy, M. ..... 81(4): 255–270
Javoy, M., see Nadeau, S. et al. ..... 81(4): 271–297
Jeandel, C., see Ruiz-Pino, D. et al. ..... 70(1/2): 198
Jeanloz, R., see Knittle, E. et al. ..... 70(1/2): 62
Jeanloz, R., see Williams, Q. and Jeanloz, R. ..... 70(1/2): 91
Jebrak, M., see Bonhomme, M.G. et al. ..... *65(3/4): 321–339
Jeffery, P.M., see Zadnik, M.G. and Jeffery, P.M. ..... *52(1): 119–125
Jeffrey, A.W.A. and Kaplan, I.R., Hydrocarbons and inorganic gases in the Gravberg-*1* well, Siljan Ring, Sweden ..... 71(1/3): 237–255

Jeffrey, A.W.A., see Hilton, D.R. et al. ... 70(1/2): 202
Jeffrey, A.W.A., see Poreda, R.J. et al. ... 71(1/3): 199–210
Jeffrey, A.W.A., see Ármannsson, H. et al. ... 76(3/4): 175–196
Jehanno, C., see Rocchia, R. et al. ... 70(1/2): 120
Jenden, P.D., Newell, K.D., Kaplan, I.R. and Watney, W.L., Composition and stable-isotope geochemistry of natural gases from Kansas, Midcontinent, U.S.A. ... 71(1/3): 117–147
Jenden, P.D., see Hilton, D.R. et al. ... 70(1/2): 202
Jeng, R.-C., see Yui, T.-F. and Jeng, R.-C. ... 89(1/2): 65– 85
Jenner, G., see Gill, R.C.O. et al. ... 70(1/2): 143
Jenner, G.A., Longerich, H.P., Jackson, S.E. and Fryer, B.J., ICP-MS — A powerful tool for high-precision trace-elemnt analysis in Earth sciences: Evidence from analysis of selected U.S.G.S. reference samples ... 83(1/2): 133–148
Jenner, G.A., see Robinson, P. et al. ... 55(1/2): 121–137
Jenner, G.A., see Arndt, N.T. and Jenner, G.A. ... 56(3/4): 229–255
Jenner, G.A., see Longerich, H.P. et al. ... 83(1/2): 105–118
Jenner, G.A., see Vallier, T.L. et al. ... 91(3): 227–256
Jensenius, J., Buchardt, B., Jørgensen, N.O. and Pedersen, S., Carbon and oxygen studies of the chalk reservoir in the Skjold Oilfield, Danish North Sea: Implications for diagenesis ... *73(2): 97–107
Jephcoat, A. and Mao H.-K., Constraints on deep-earth properties from static high-pressure studies ... 70(1/2): 62
Jeppsson, L., see Odin, G.S. et al. ... *59(2/3): 117–125
Jessberger, E.K. and Kissel, J., The rock-forming elements in Halley's dust ... 70(1/2): 31
Jewell, P.W. and Parry, W.T., Geochemistry of the Mercur gold deposit (Utah, U.S.A.) ... 69(3/4): 245–265
Jinsong, Zhao, see Bin, Zhao et al. ... 70(1/2): 166
Joachim, H., see Smykatz-Kloss, W. and Joachim, H. ... 84(1/4): 128–129
Jochum, K.P., New developments in spark source mass spectrometry: improvement of precision and sensitivity ... 70(1/2): 175
Jochum, K.P. and Hofmann, A.W., Fingerprinting geological materials using SSMS — Comment (Discussion) ... 75(3): 249–251
Jochum, K.P., Seufert, H.M. and Thirlwall, M.F., High-sensitivity Nb analysis by spark-source mass spectrometry (SSMS) and calibration of XRF Nb and Zr ... 81(1/2): 1– 16
Joffre, S.M., Lindfors, V. and Salmi, T., Interpreting observations on the transport and deposition of airborne pollutants over the Baltic Sea ... 70(1/2): 99
Johannes, W., see Pichavant, M. et al. ... 70(1/2): 88
Johnson, A.C., see Kimblin, R.T. and Johnson, A.C. ... 100(1/2): 119–127
Johnson, S., see Besson, J.M. et al. ... 70(1/2): 60
Johnston, J.H., see Sipiera, P.P. et al. ... 54(1/2): 17– 26
Johnston, J.H., see Sipiera, P.P. et al. ... 64(3/4): 351–356
Jonckheere, R., see Van den haute, P. et al. ... *73(3): 233–244
Jonckheere, R., see De Corte, F. et al. ... *86(3): 187–194
Jones, B.F., Hanor, J.S. and Evans, W.R., Normative analysis of saline waters from the central Murray Basin, Australia ... 84(1/4): 201–203
Jones, B.F., see Bowser, C.J. and Jones, B.F. ... 84(1/4): 33– 35
Jones, K.W., see Frantz, J.D. et al. ... 69(3/4): 235–244
Jones, L.M., see Boger, P.D. et al. ... *65(1): 35– 44
Jones, L.M., see Lord, B.K. et al. ... *72(2): 163–171
Jones, L.M., see Greenough, J.D. et al. ... *80(1): 17– 26
Jones, N.W., see Moorbath, S. et al. ... 57(1/2): 63– 86
Jongmans, A.G., Van Doesburg, J.D.J. and Van Breemen, N., Micromorphology and mineralogy of weathering and neoformation phenomena in a Quaternary terrace sequence of the Allier, Limagne, France ... 84(1/4): 83– 85
Jongmans, A.G., see Veldkamp, A. and Jongmans, A.G. ... 84(1/4): 145–147
Jongmans, A.G., see Veldkamp, A. and Jongmans, A.G. ... 84(1/4): 148–149
Jonsson, P., see Carman, R. and Jonsson, P. ... 90(1/2): 91–106
Jørgensen, N.O., see Jensenius, J. et al. ... *73(2): 97–107
Jørgensen, P., see Topp, S.E. et al. ... 56(1/2): 161–163
Joron, J.L. and Treuil, M., Hygromagmaphile elements distribution in basaltic and andesitic magmas as fingerprints of mantle mineralogical an chemical interactions in relation with lithopheric plates subduction ... 70(1/2): 87
Joron, J.L. and Treuil, M., Activation analysis as a geochemical tool: statement of its capabilities for trace element studies in light of long term and routin investigation, and geochemical discussions ... 70(1/2): 175
Joron, J.L. and Raimbault, L., Consequence of ^{154}Eu interference on INAA determination of Zr ... 98(3/4): 327–331
Joron, J.L., see Boust, D. et al. ... 68(1/2): 69– 87
Joron, J.L., see Treuil, M. and Joron, J.L. ... 70(1/2): 18
Joron, J.L., see Dosso, L. et al. ... 70(1/2): 47
Joron, J.L., see Semet, M.P. et al. ... 70(1/2): 56
Joron, J.L., see Fedotov, S.A. et al. ... 70(1/2): 73

Joron, J.L., see Bienvenu, P. et al. ..... 70(1/2): 152
Joron, J.L., see Bienvenu, P. et al. ..... 70(1/2): 152
Joron, J.L., see Bienvenu, P. et al. ..... 82(1/2): 1– 14
Joron, J.L., see Béziat, D. et al. ..... 89(3/4): 243–262
Joussaume, S. and Jouzel, J., Water isotope cycles and climate: investigations using atmospheric general circulation models ..... 70(1/2): 168
Jouzel, J., Isotopes in ice cores: A review ..... 70(1/2): 109
Jouzel, J., see Stievenard, M. et al. ..... 70(1/2): 57
Jouzel, J., see Juillet-Leclerc, A et al. ..... 70(1/2): 109
Jouzel, J., see Joussaume, S. and Jouzel, J. ..... 70(1/2): 168
Jovanovic, S. and Reed, Jr., G.W., Hg isotopes on the Moon and in achondrites ..... *80(3): 181–191
Jowett, E.C., Role of organics and methane in sulfide ore formation, exemplified by Kupferschiefer Cu–Ag deposits, Poland ..... 99(1/3): 51– 63
Juillet-Leclerc, A, Labeyrie, L.D. and Jouzel, J., Intertropical distribution of sea surface salinity during the last glacial maximum ..... 70(1/2): 109
Juillet-Leclerc, A., see Labeyrie, L.D. et al. ..... 70(1/2): 109
Juillet-Leclerc, A., see Labeyrie, L.D. et al. ..... 70(1/2): 185
Jull, A.J.T., Barker, D.L. and Donahue, D.J., On the ^{14}C content in radioactive ores ..... *66(1/2): 35– 40
Jumeau, J., see Bjorøy, M. et al. ..... 93(1/2): 13– 20
Junge, F., see Hammer, J. et al. ..... 85(3/4): 345–360
Junghans, C., see Bösinger, R. et al. ..... 70(1/2): 96
Juras, S.J., Hickson, C.J., Horsky, S.J., Godwin, C.I. and Mathews, W.H., A practical method for the analysis of rare-earth elements in geological samples by graphite furnace atomic absorption and X-ray fluorescence 64(1/2): 143–148
Jury, J.W., see Fischer, U.H. and Jury, J.W. ..... 70(1/2): 98

Kackson, J.C., see Kane, J.S. et al. ..... 78(1): 1– 14
Kadiyala, R.R., see Angell, C.A. et al. ..... 62(1/2): 83– 92
Kafri, U., see Arad, A. et al. ..... 54(3/4): 251–270
Kagi, R.I., see Subroto, E.A. et al. ..... 93(1/2): 179–192
Kähkönen, Y., The 1.904 Ga old intermediate unit at Orivesi, Tampere Schist Belt, Southern Finland: Geochemistry and significance to crustal evolution ..... 70(1/2): 70
Kaiser, C.J., Analysis of isotope-transfer kinetics during sulfate reduction by dextrose under hydrothermal conditions ..... *87(3/4): 247–263
Kaiyi, W., Windley, B.F. and Sills, J.D., Archaean gneiss complex of eastern Hebei province, North China ... 70(1/2): 149
Kalamarides, R.I., High-temperature oxygen isotope fractionation among the phases of the Kiglapait intrusion, Labrador, Canada ..... *58(4): 303–310
Kalinina, G.V., see Kashkarov, L.L. et al. ..... 70(1/2): 31
Kallel, N., see Duplessy, J.C. et al. ..... 70(1/2): 108
Kallel, N., see Labeyrie, L.D. et al. ..... 70(1/2): 109
Kalsbeek, F., The statistical distribution of the mean squared weighted deviation — Comment: Isochrons, errorchrons, and the use of MSWD-values (Discussion) ..... *94(3): 241–242
Kalsbeek, F., Large-scale albitisation of siltstones on Qeqertakavsak island, northeast Disko Bugt, West Greenland ..... 95(3/4): 213–233
Kalsbeek, F. and Hansen, M., Statistical analysis of Rb–Sr isotope data by the "bootstrap" method ..... *73(4): 289–297
Kalsbeek, F., see Taylor, P.N. and Kalsbeek, F. ..... *86(1): 21– 28
Kalsbeek, F., see Taylor, P.N. et al. ..... *94(4): 281–191
Kamineni, D.C., Distribution of uranium, thorium and rare-earth elements in the Eye–Dashwa lakes pluton — A study of some analogue elements ..... 55(3/4): 361–373
Kamineni, D.C. and Lemire, R.J., Thorite in fault zones of a granitic pluton, Atikokan, Canada: implications for nuclear fuel waste disposal ..... 90(1/2): 133–143
Kamineni, D.C., Chung, C.F., Dugal, J.J.B. and Ejeckam, R.B., Distribution of uranium and thorium in core samples from the Underground Research Laboratory lease area, southeastern Manitoba, Canada ..... 54(1/2): 97–111
Kamineni, D.C., see Franklyn, M.T. et al. ..... *86(2): 111–122
Kanakidou, M., see Bonsang, B. et al. ..... 70(1/2): 95
Kane, J.S., Evans, J.R. and Kackson, J.C., Comparison of several analytical methods for the determination of tin in geochemical samples as a function of tin speciation ..... 78(1): 1– 14
Kaneoka, I. and Takaoka, N., Noble-gas state in the Earth's interior — Some constraints on the present state *52(1): 75– 95
Kaneoka, I., Takaoka, N. and Upton, B.G.J., Noble gas systematics in basalts and a dunite nodule from Réunion and Grand Comore Islands, Indian Ocean ..... *59(1): 35– 42
Kango, R.A., Dubey, K.P. and Zutshi, D.P., Sediment chemistry of Kashmir Himalayan lakes, I. Clay mineralogy 64(1/2): 121–126

Kantipuly, C.J., Longerich, H.P. and Strong, D.F., Application of inductively coupled argon plasma mass spectrometry (ICAP-MS) for the determination of uranium and thorium in tourmalines ..... 69(1/2): 171–176
Kaplan, I., see Hilton, D.R. et al. ..... 70(1/2): 202
Kaplan, I.R., see Jenden, P.D. et al. ..... 71(1/3): 117–147
Kaplan, I.R., see Poreda, R.J. et al. ..... 71(1/3): 199–210
Kaplan, I.R., see Jeffrey, A.W.A. and Kaplan, I.R. ..... 71(1/3): 237–255
Karhu, J.A., Calcareous concretions and the early evolution of the Baltic Sea: A stable isotope study ..... 70(1/2): 10
Karlsson, K.H. and Fröberg, K., Structural units in silicate glasses ..... 62(1/2): 1– 5
Karlsson, S., Allard, B. and Håkansson, K., Chemical characterization of stream-bed sediments receiving high loadings of acid mine effluents ..... 67(1/2): 1– 15
Karpov, I.K. and Isaev, V.P., Modelling processes of petroleum and gas formation ..... 70(1/2): 9
Kashkarov, L.L., Korotkova, N.N., Skripnik, A.Ya., Kalinina, G.V. and Lavrukhina, A.K., Low temperature chondrule formation by track studies of ordinary chondrites ..... 70(1/2): 31
Kastchieva, E.P., see Stavrakeva, D.A. and Kastchieva, E.P. ..... 70(1/2): 90
Kastner, M., *Handbook of Environmental Isotope Geochemistry, Vol. 2. The Terrestrial Environment, B*, by P. Fritz and J.Ch. Fontes (Editors) (Book Review) ..... *73(4): 353
Kato, T. and Ringwood, A.E., Composition of the earth's core ..... 70(1/2): 64
Kato, T., Ringwood, A.E. and Kesson, S.E., Slab-mantle interactions I: Formation of the source regions of intraplate basalts ..... 70(1/2): 55
Kato, T., see Ringwood, A.E. et al. ..... 70(1/2): 64
Katz, A., see Herut, B. et al. ..... 70(1/2): 196
Katz, A., see Rosenthal, Y. and Katz, A. ..... 78(1): 65– 76
Katz, A., see Erel, Y. and Katz, A. ..... 85(3/4): 361–367
Katz-Lehnert, K., see Hubberten, H.-W. et al. ..... 70(3): 257–274
Katz,A., Ganor, J. and Teperberg, M., Dissolution, transport and crystallization of halite in hypersaline lakes: The Dead Sea, Israel ..... 70(1/2): 10
Kaufman, A., U-series disequilibrium systematics and age of secondary uranium minerals from Israel ..... 70(1/2): 128
Kaufman, A., see Stiller, M. et al. ..... *73(1): 63– 78
Kawabe, I., see Ohtani, E. et al. ..... 70(1/2): 147
Kawamura, K. and Ishiwatari, R., Distribution of lipid-class compounds in bottom sediments of freshwater with different trophic status, in Japan ..... 51(1/2): 123–133
Kawka, O.E., see Simoneit, B.R.T. et al. ..... 71(1/3): 169–182
Kay, R.W., see Bacuta, Jr., G.C. et al. ..... 70(1/2): 132
Kayliffe, L. and Chivas, A.R., Australian macropods (kangaroos and wallabies): Palaeoenvironmental potential of bone phosphate oxygen-isotopes ..... 70(1/2): 114
Kaźmierczak, J., see Kempe, S. and Kaźmierczak, J. ..... 81(4): 299–310
Keller, J., see Hubberten, H.-W. et al. ..... 70(3): 257–274
Keller, J., see Schleicher, H. et al. ..... 93(3/4): 231–243
Kelley, S., see Turner, G. et al. ..... 70(1/2): 142
Kelling, G., see Floyd, P.A. et al. ..... 89(3/4): 263–280
Kellogg, L.H., see Turcotte, D.L. and Kellogg, L.H. ..... 70(1/2): 57
Kempe, S. and Degens, E.T., An early soda ocean? ..... 53(1/2): 95–108
Kempe, S. and Kaźmierczak, J., Chemistry and stromatolites of the sea-linked Satonda Crater Lake, Indonesia: A recent model for the Precambrian sea? ..... 81(4): 299–310
Kempton, P.D., Hawkesworth, C.J. and Leg 118 Shipboard Party, Isotopic composition of layer 3 of the oceanic crust — a preliminary report on gabbros from ODP Leg 118, Hole 735B ..... 70(1/2): 51
Kempton, P.D., see Harmon, R.S. and Kempton, P.D. ..... 70(1/2): 50
Kempton, P.D., see Hawkesworth, C.J. et al. ..... 70(1/2): 51
Kempton, P.D., see Van Calsteren, P.W. et al. ..... 70(1/2): 74
Kempton, P.D., see Hawkesworth, C.J. et al. ..... 85(1/2): 19– 34
Kennedy, B.M., see Torgersen, T. et al. ..... 70(1/2): 42
Kent, T.T., Onstott, T.C. and Watson, G.S., Fitting straight lines and planes with an application to radiometric dating ..... 70(1/2): 13
Kerrich, R., see Feng, R. and Kerrich, R. ..... 98(1/2): 23– 70
Kerrich, R.W., see King, R.W. and Kerrich, R.W. ..... *79(3): 225–240
Kesler, S.E., see Cumming, G.L. and Kesler, S.E. ..... *65(1): 15– 23
Kesler, S.E., see Kettler, R.M. et al. ..... 99(1/3): 29– 50
Kesson, S.E. and Ringwood, A.E., Slab-mantle interactions II: Sheared and refertilized garnet peridotite xenoliths: Samples from Wadati–Benioff zones? ..... 70(1/2): 52
Kesson, S.E. and Ringwood, A.E., Slab-mantle interactions III: The genesis of diamonds ..... 70(1/2): 52

Kesson, S.E. and Ringwood, A.E., Slab–mantle interactions, 1. Sheared and refertilised garnet peridotite xenoliths — samples of Wadat–Benioff zones? ... 78(2): 83– 96
Kesson, S.E. and Ringwood, A.E., Slab–mantle interactions, 2. The formation of diamonds ... 78(2): 97–118
Kesson, S.E., see Kato, T. et al. ... 70(1/2): 55
Ketelsen, P., Knöchel, A., see Buttkewitz, A. et al. ... 70(1/2): 176
Ketola, M., see Lehtonen, K. et al. ... 93(3/4): 313–323
Kettler, R.M., Rye, R.O., Kesler, S.E., Meyers, Ph.A., Polanco, J. and Russel, N., Gold deposition by sulfidation of ferrous Fe in the lacustrine sediments of the Pueblo Viejo district (Dominican Republic): The effect of Fe–C–S diagenesis on later hydrothermal mineralization in a maar–diatreme complex ... 99(1/3): 29– 50
Key, R.M., see Yan, L. et al. ... 85(3/4): 369–381
Key, R.M., see Yan, L. et al. ... 100(3/4): 163–174
Khalil, M.A.K. and Rasmussen, R.A., The global cycle of methane: sources, sinks and mass balances ... 71(4): 367
Khalil. M.A.K. and Rasmussen, R.A., The global trends and mass balance of F-113 ... 70(1/2): 99
Khedim, A., see Rudolph, J. et al. ... 70(1/2): 104
Kheoruenromne, I., Red and yellow soils and laterite formation in the Northeast Plateau, Thailand ... 60(1/4): 319–326
Khrenov, A.P., see Fedotov, S.A. et al. ... 70(1/2): 73
Kibonzi Kouyela, B. and Ramanaidou, E., A thermodynamic model for the deposition of oxide facies of microbanded Precambrian banded iron formations ... 70(1/2): 145
Kieffer, J. and Borchardt, G., A kinetic model of silicate melts (silicon tracer diffusion) ... 62(1/2): 93–101
Kienast, J.R., see Maluski, H. et al. ... *80(3): 193–217
Killingley, J.S., see Wefer, G. and Killingley, J.S. ... *59(4): 321–326
Killops, S.D. and Howell, V.J., Complex series of pentacyclic triterpanes in a lacustrine sourced oil from Korea Bay Basin ... 91(1): 65– 79
Kim, K.H. and Burnett, W.C., Uranium-series growth history of a Quaternary phosphatic crust from the Peruvian continental margin ... *58(3): 227–244
Kim, Y.H., see Manghnani, M.H. et al. ... 70(1/2): 63
Kimball, B.A., McKnight, D.M., Wetherbee, G.A. and Harnish, R.A., Mechanisms of iron photoreduction in a metal-rich, acidic stream (St. Kevin Gulch, Colorado, U.S.A.) ... 96(1/2): 227–239
Kimber, B., see Smith, H.S. et al. ... 70(1/2): 148
Kimblin, R.T. and Johnson, A.C., Recent localised sulphate reduction and pyrite formation in a fissured Chalk aquifer ... 100(1/2): 119–127
King, B.-S., see Alpers, C.N. et al. ... 96(1/2): 203–226
King, R.W. and Kerrich, R.W., Strontium isotope compositions of tourmaline from lode gold deposits of the Archean Abitibi Greenstone Belt (Ontario–Quebec, Canada): Implications for source reservoirs ... *79(3): 225–240
Kinga-Mouzeo., see Mariotti, A. et al. ... *86(4): 345–357
Kirchhoff, A. and Usdowski, E., Evolution of dissolved ^{13}C and ^{12}C during the dissolution of calcite under closed and open system conditions ... 70(1/2): 79
Kirchner, S., see Legrand, M. and Kirchner, S. ... 70(1/2): 100
Kirchner, S., see Legrand, M. and Kirchner, S. ... 70(1/2): 101
Kirsten, T., see Heusser, E. et al. ... 70(1/2): 37
Kissel, J., see Jessberger, E.K. and Kissel, J. ... 70(1/2): 31
Kist, A.A., see Zhuk, L.I. and Kist, A.A. ... 70(1/2): 21
Kistler, R.W., *Quaternary Dating Methods* by W.C. Mahaney (Book Review) ... *58(4): 362
Kistler, R.W., *Techtenium in the Environment* by G. Desmet and C. Myttenaere (Editors) (Book Review) ... *73(3): 271–272
Kiyosu, Y., Asada, N. and Yoshida, Y., Origin of light hydrocarbon gases from the Matsukawa geothermal area in Japan ... *94(4): 321–329
Kleeman, J.D., see Guthrie, V.A. and Kleeman, J.D. ... 54(1/2): 113–126
Kleiman, L.E., Saragovi, C., Puglisi, C. and Labenski de Kanter, F., Biotite oxidation processes in ash-flow tuffs (Mendoza, Argentina): A Mössbauer spectroscopy and chemical study ... 97(3/4): 251–264
Klein, C., *Precambrian Continental Crust and Its Economic Resources* by S.M. Naqvi (Editor) (Book Review) ... 97(3/4): 333–343
Klein, D., Cieur, M. and Chambaudet, A., Radon exhalation measurements using proportional counters ... 70(1/2): 39
Klein, J., see Somayajulu, B.L.K. et al. ... *86(3): 253–258
Klerkx, J., see Fernandez-Alonso, M. et al. ... 57(1/2): 217–234
Klock, P.R., Czamanske, G.K., Foose, M. and Pesek, J., Selective chemical dissolution of sulfides: An evaluation of six methods applicable to assaying sulfide-bound nickel ... 54(1/2): 157–163
Knauth, L.P., see Werner, M.L. et al. ... 74(1/2): 111–135
Knittle, E., Williams, Q. and Jeanloz, R., High-pressure measurements of core temperatures ... 70(1/2): 62
Knoper, M.W. and Condie, K.C., Geochemistry and petrogenesis of early Proterozoic amphibolites, west-central Colorado, U.S.A. ... 67(3/4): 209–225
Knudsen, C. and Buchardt, B., Carbon and oxygen isotope composition of carbonates from the Qaqarssuk Carbonatite Complex, southern West Greendland ... *86(4): 263–274

Kobayashi, H., see Kuroda, Y. et al. ... *58(4): 283–302
Kober, B., see Pidgeon, R.T. et al. ... 70(1/2): 145
Kobilsek, B., see Tardy, Y. et al. ... 84(1/4): 179–182
Kocken, J.W.M., see Voncken, J.H.L. et al. ... 56(1/2): 93–103
Koeberl, C., see Raisbeck, G.M. et al. ... 70(1/2): 120
Koeberl, Chr., see Verhagen, B.Th. et al. ... *80(4): 319–325
Koehler, G.D., Chipley, D. and Kyser, T.K., Measurement of the hydrogen and oxygen isotopic compositions of concentrated chloride brines and brines from fluid inclusions in halite ... *94(1): 45– 54
Koepnick, R.B., Burke, W.H., Denison, R.E., Hetherington, E.A., Nelson, H.F., Otto, J.B. and White, L.E., Construction of the seawater $^{87}Sr/^{86}Sr$ curve for the Cenozoic and Cretaceous: Supporting data ... *58(1/2): 55– 81
Koepnick, R.B., Denison, R.E., Burke, W.H., Hetherington, E.A. and Dahl, D.A., Construction of the Triassic and Jurassic portion of the Phanerozoic curve of seawater $^{87}Sr/^{86}Sr$ ... *80(4): 327–349
Koeppenkastrop, D. and De Carlo, E.H., Sorption of rare-earth elements from seawater onto synthetic mineral particles: An experimental approach ... 95(3/4): 251–263
Kogarko, L.N., The geochemistry of mantle nodules from Cape Verde Islands ... 70(1/2): 52
Köhler, H., see Horn, P. et al. ... *58(3): 259–272
Köhler, T. and Brey, G.P., Ca in olivine as a geobarometer for lherzolites ... 70(1/2): 10
Kohn, S.C., Dupree, R. and Mortuza, G., The interaction between water and aluminosilicate magmas ... 96(3/4): 399–409
Kolesnikov, E.M., see Shukolukov, Yu.A. et al. ... 70(1/2): 121
Kolios, N., see Pasteels, P. et al. ... 57(1/2): 145–154
Koller, F., see Höck, V. and Koller, F. ... 77(3/4): 209–227
Kolodny, Y. and Luz, B., $\delta^{18}O$ in phosphate of marine and fresh-water fishes Devonian to Recent ... 70(1/2): 184
Kolodny, Y., see Vengosh, A. et al. ... *65(3/4): 235–253
Kolodny, Y., see Shemesh, A. et al. ... *94(4): 307–314
Kolokoltsev, V.G., Lisitsyna, M.A., Mordberg, L.E., Nesterova, E.N. and Rublev, A.G., The nature of some trace elements in paleozoic bauxites and weathering rocks of East-European platform ... 84(1/4): 86– 87
Koma, T. and Suzuki, Y., Total sulfur content of Late Quaternary sediments in Shibakawa lowland, Saitama Prefecture, Central Japan, and its relation to the sedimentary environment ... 68(3/4): 221–228
Kometani, M., see Noto, M. et al. ... *80(3): 231–241
Kong, P. and Chai, C., A new selective chemical dissolution procedure for chemical speciation studies of anomalous iridium in geological samples ... 82(1/2): 51– 56
Konings, R., see Ten Haven, H.L. et al. ... 51(3/4): 225–238
Konta, J., *Clay Minerals and the Origin of Life*, by A.G. Cairns-Smith and H. Hartman (Editors) (Book Review) 69(3/4): 357–359
Konta, J., *Lateritic Bauxites* by G. Bárdosy and G.J.J. Aleva (Book Review) ... 95(3/4): 361–362
Kopp, O.C., Reeves, D.K., Rivers, M.L. and Smith, J.V., Synchrotron X-ray fluorescence analysis of zoned carbonate gangue in Mississippi Valley-type deposits (U.S.A.) ... 81(4): 337–347
Koppmann, R. and Rudolph, J., The distribution of light alkenes in the troposphere and their potential impact on photochemical ozone formation ... 70(1/2): 99
Korina, M.I., see Shukolukov, Yu.A. et al. ... 70(1/2): 121
Kornicker, W.A., Morse, J.W. and Damasceno, R.N., The chemistry of Co^{2+} interaction with calcite and aragonite surfaces ... 53(3/4): 229–236
Korotkova, N.N., see Kashkarov, L.L. et al. ... 70(1/2): 31
Korsch, M.J., see Whitford, D.J. et al. ... 68(1/2): 105–119
Korsch, R.J., see Graham, I.J. and Korsch, R.J. ... *58(1/2): 45– 54
Korsch, R.J., see Roser, B.P. and Korsch, R.J. ... 67(1/2): 119–139
Kossl, H., see Smykatz-Kloss, W. et al. ... 84(1/4): 206–207
Kosztolanyi, C. and Mullis, J., Measurements of the phase transformation temperature of gypsum–anhydrite, inclined in quartz, by microthermometry and Raman microprobe techniques ... 61(1/4): 19– 28
Kotarba, M., Szafran, S. and Espitalié, J., A study of organic matter and natural gases of the Miocene sediments in the Polish part of the Carpathian Foredeep ... 64(3/4): 197–207
Kotschoubey, B., see Benedetti, M. et al. ... 84(1/4): 27– 30
Kotschoubey, B., see Hieronymus, B. et al. ... 84(1/4): 74– 77
Kotschoubey, B., see Hieronymus, B. et al. ... 84(1/4): 78– 82
Kotzer, T.G. and Kyser, T.K., Retrograde alteration of clay minerals in uranium deposits: Radiation catalyzed or simply low-temperature exchange? ... *86(4): 307–321
Koukouzas, C.N., see Foscolos, A.E. et al. ... 76(1/2): 107–130
Kozlowski, A., see Speczik, S. and Kozlowski, A. ... 61(1/4): 287–298
Krähenbühl, U., see Schaltegger, U. and Krähenbühl, U. ... 89(1/2): 49– 63
Krajewski, K.P., Organic geochemistry of a phosphorite to black shale transgressive succession: Wilhelmöya and Janusfjellet Formations (Rhaetian–Jurassic) in central Spitsbergen, Arctic Ocean ... 74(3/4): 249–263

Kramer, J.R., Brassard, P., Patry, G. and Takacs, I., Sensitivity of terrestrial carbon cycle on atmospheric carbon dioxide ..... 84(1/4): 166–168
Kramers, J.D., *Archaean Geochemistry: The Origin and Evolution of the Archaean Continental Crust* by A. Kröner, G.N. Hanson and A.M. Goodwin (Editors) (Book Review) ..... 56(3/4): 336–337
Kramers, J.D., see Moorbath, S. et al. ..... 70(1/2): 145
Kramers, J.D., see Vinyu, M.L. and Kramers, J.D. ..... 70(1/2): 149
Kramers, J.D., see Smith, C.B. et al. ..... *79(2): 137–145
Kramers, J.D., see Taylor, P.N. et al. ..... *87(3/4): 175–196
Kramm, U. and Wedepohl, K.H., The isotopic composition of strontium and sulfur in seawater of Late Permian (Zechstein) age ..... 90(3/4): 253–262
Krauskopf, K.B., Thorium and rare-earth metals as analogs for actinide elements ..... 55(3/4): 323–335
Kremling, K., *Trace Element Specification in Surface Waters and Its Ecological Implications* by G.G. Leppard (Editor) (Book Review) ..... 51(1/2): 150–151
Kresten, P., The chemistry of fenitization: Examples from Fen, Norway ..... 68(3/4): 329–349
Kreulen, R., Thermodynamic calculations of the C–O–H system applied to fluid inclusions: Are fluid inclusions unbiassed samples of ancient fluids? ..... 61(1/4): 59– 64
Kreulen, R., see Moers, M. and Kreulen, R. ..... 61(1/4): 55– 58
Kreuzer, H., see Henjes-Kunst, F. et al. ..... *73(2): 125–145
Kreuzer, H., see Odin, G.S. et al. ..... *86(3): 203–224
Kriete, C., see Halbach, P. et al. ..... 76(1/2): 95–106
Krinsley, D.H., see Dorn, R.I. et al. ..... 99(4): 289–298
Krishnaswami, S., Bhushan, R. and Baskaran, M., Radium isotopes and ^{222}Rn in shallow brines, Kharaghoda (India) ..... *87(2): 125–136
Kritz, M., Leroulley, J.C., Danielsen, E. and Lambert, G., The China Clipper — Fast advective transport of radon-rich air form the Asian boundary layer to the upper troposphere near California ..... 70(1/2): 96
Kritz, M., see Lambert, G. et al. ..... 70(1/2): 100
Kritz, M.A., Danielsen, E.F. and Selkirk, R., Evaluation of troposphere-to-stratosphere exchange mechanisms: Rn-222 and Pb-210 measurements made in NASA's (STEP) ..... 70(1/2): 100
Krogh, T.E., High precision U–Pb ages of single zircons and parts of zircon in simple and complex populations 70(1/2): 70
Krogh, T.E. and Tucker, R., Zircon and titanite resetting patterns as a signature of short-lived metamorphism associated wit tectonic loading in western Norway and the Grenville Front ..... 70(1/2): 70
Krogh, T.E., see Parrish, R.R. and Krogh, T.E. ..... *66(1/2): 103–110
Krogh, T.E., see Corfu, F. et al. ..... 70(1/2): 142
Krogh, T.E., see Beakhouse, G.P. et al. ..... *72(4): 337–351
Krogh, T.E., see Beakhouse, G.P. et al. ..... *79(1): 96–97
Kroitoru, L., Carmi, I. and Mazor, E., Groundwater ^{14}C activity as affected by initial water–rock interactions in the Judean Mountains, Israel ..... *79(3): 259–274
Kronberg, B.I., Nesbitt, H.W. and Lam, W.W., Upper Pleistocene Amazon deep-sea fan muds reflect intense chemical weathering of their mountainous source lands ..... 54(3/4): 283–294
Kronberg, B.I., Nesbitt, H.W. and Fyfe, W.S., Mobilities of alkalis, alkaline earths and halogens during weathering ..... 60(1/4): 41– 49
Kronberg, B.I., Tazaki, K. and Melfi, A.J., Detailed geochemical studies of the initial stages of weathering of alkaline rocks: Ilha de São Sebastião, Brazil ..... 60(1/4): 79– 88
Kronberg, B.I., Murray, F.H. and Daddar, R.: Brown, J.R., Fingerprinting geological materials using SSMS .. 68(3/4): 351–359
Kronberg, B.I., see Leonardos, O.H. et al. ..... 60(1/4): 361–370
Kronberg, B.I., see Melfi, A.J. et al. ..... 84(1/4): 375–376
Kröner, A., Milisenda, C., Compston, W., Tegtmeyer, A., Liew, T.C. and Todt, W., Combined use of single zircon ages and Sm–Nd isotopes in the analysis of early Archaean crustal growth processes: the ancient gneiss complex of Swaziland, southern Africa ..... 70(1/2): 146
Kröner, A., see Schweitzer, J. and Kröner, A. ..... 51(3/4): 265–288
Kronfeld, J., see Stiller, M. et al. ..... *58(1/2): 107–119
Kroonenberg, S.B., Geochemistry of Quaternary fluvial sands from different tectonic regimes ..... 84(1/4): 88– 91
Kroonenberg, S.B. and Hoorn, M.C., Bulk geochemistry of Tertiary and Quaternary fluvial sands in the Colombian Amazones ..... 84(1/4): 92– 95
Krooss, B.M., Leythaeuser, D. and Schaefer, R.G., Light hydrocarbon diffusion in a caprock ..... 71(1/3): 65– 76
Krouse, H.R., see Ueda, A. et al. ..... *65(3/4): 383–390
Krouse, H.R., see Beauchamp, B. et al. ..... *65(3/4): 391–413
Krouse, H.R., see Yonge, C.J. and Krouse, H.R. ..... *65(3/4): 427–433
Krouse, H.R., see Dowuona, G.N. et al. ..... *94(3): 205–213
Kruger, F.J., Cawthorn, R.G., Eales, H.V. and Mitchell, A.S., Sr-isotopic characteristics of the layered rocks and ultramafic pegmatites of the Bushveld Complex ..... 70(1/2): 134

Krupp, R., Physicochemical aspects of mercury metallogenesis ... 69(3/4): 345–356
Kruse, F.A., see Hauff, P.L. et al. ... 84(1/4): 267–270
Ku, T-L., see Grossman, E.L. and Ku, T-L. ... *59(1): 59– 74
Kubanek, F., see Zeibig, G. et al. ... 74(3/4): 343–349
Kubik, P.W., see Fehn, U. et al. ... 70(1/2): 135
Kubik, P.W., see Elmore, D. and Kubik, P.W. ... 70(1/2): 174
Kubik, P.W., see Fabryka-Martin, J. et al. ... *72(1): 7– 16
Kuehner, S.M., see Bierman, P.R. and Kuehner, S.M. ... 95(3/4): 283–297
Kühnel, R.A., The role of cationic and anionic scavengers in laterites ... 60(1/4): 31– 40
Kühnel, R.A., *Atlas of Ore Minerals* by P. Picot and Z. Johan (Book Review) ... 51(1/2): 147–148
Kullerud, L., On the calculation of isochrons ... *87(2): 115–124
Kumar, M.D., see Rajendran, A. et al. ... 98(1/2): 111–129
Kump, L.R., Barron, E.J. and Bluth, G.J.S. Schultz, P.A., Phanerozoic chemical weathering and paleoclimate ... 84(1/4): 160–161
Kupecz, J.A., see Land, L.S. et al. ... 74(1/2): 25– 35
Kurat, G., *Structure and Properties of Silicate Melts* by B.O. Mysen (Book Review) ... 90(1/2): 169–170
Kuroda, Y., Opening Address (International Seminar on Laterite, October 14–17, 1985, Tokyo, Japan) ... 60(1/4): 1
Kuroda, Y., Yamada, T., Kobayashi, H., Ohtomo, Y., Yagi, M. and Matsuo, S., Hydrogen isotope study of the granitic rocks of the Ryoke belt, central Japan ... *58(4): 283–302
Kuroda, Y., Yamada, T., Takano, O. and Marsuo, S., D/H study of the magnetic-series granitic plutons from teh Katikami district, northeast Japan ... *73(4): 343–352
Kurz, M.D., Trull, T.W., Colodner, D. and Denton, G., Exposure-age dating with cosmogenic ^{3}He ... 70(1/2): 39
Kurz, M.D., see Staudacher, Th. et al. ... 56(3/4): 193–205
Kusakabe, M., see Noto, M. et al. ... *80(3): 231–241
Kvenvolden, K.A., Methane hydrate — A major reservoir of carbon in the shallow geosphere? ... 71(1/3): 41– 51
Kvenvolden, K.A., Hostettler, F.D., Rapp, J.B. and Snavely, Jr., P.D., Biomarkers in Tertiary mélange, western Olympic Peninsula, Washington, U.S.A. ... 93(1/2): 101–110
Kwon, S.-T., see Tilton, G.R. and Kwon, S.-T. ... 70(1/2): 74
Kwon, S.-T., see Tilton, G.R. and Kwon, S.-T. ... 83(3/4): 149–163
Kyle, J.R. and Agee, Jr., W.N., Evolution of metal ratios and $\delta^{34}S$ composition of sulfide mineralization during anhydrite cap rock formation, Hockley Dome, Texas, U.S.A. ... 74(1/2): 37– 55
Kyle, J.R., see Posey, H.H. and Kyle, J.R. ... 74(1/2): vii
Kyle, J.R., see Posey, H.H. and Kyle, J.R. ... 74(1/2): 1– 24
Kyle, J.R., see Prikryl, J.D. et al. ... 74(1/2): 67– 97
Kyser, T.K., Stable isotopes and fractionations in the mantle ... 70(1/2): 184
Kyser, T.K., see Wittrup, M.B. and Kyser, T.K. ... 82(1/2): 103–128
Kyser, T.K., see Kotzer, T.G. and Kyser, T.K. ... *86(4): 307–321
Kyser, T.K., see Koehler, G.D. et al. ... *94(1): 45– 54
Kyser, T.K., see Powell, M.D. and Kyser, T.K. ... *94(1): 55– 66
Kyte, Frank T., Accretion of extraterrestrial matter to the earth: the sedimentary record ... 70(1/2): 119

Laaksuharju, M., see Grenthe, I. et al. ... 98(1/2): 131–150
Labenski de Kanter, F., see Kleiman, L.E. et al. ... 97(3/4): 251–264
Labeyrie, L., see Duplessy, J.C. et al. ... 70(1/2): 108
Labeyrie, L., see Zhiou, S.Z. et al. ... 70(1/2): 111
Labeyrie, L.D., Michel, E., Kallel, N., Duplessy, J.C. and Juillet-Leclerc, A., Changes in thermohaline circulation and atmospheric pCO_2 between glacial and interglacial ... 70(1/2): 109
Labeyrie, L.D., Juillet-Leclerc, A., Binz, P. and Decarreau, A., Oxygen isotopes in biogenic silica and other poorly crystallized hydrated low temperature minerals ... 70(1/2): 185
Labeyrie, L.D., see Juillet-Leclerc, A et al. ... 70(1/2): 109
Lafforgue, M. and Poulin, M., Aydat Lake: Thermal and hydrodynamical modeling ... 71(4): 368
Låg, J., see Sæther, O.M. et al. ... 69(3/4): 309–319
Lagabrielle, Y., see Grimaud, D. et al. ... 93(3/4): 209–218
Lagache, M., see D'Arco, Ph. et al. ... 70(1/2): 159
Lagache, M., see Manier-Glavinaz, V. et al. ... 70(1/2): 162
Laghi, G.F., see Gorgoni, C. et al. ... 70(1/2): 115
Lago, M., Zachmann, D., Vaquer, R. and Pocovi, A., Geochemical behaviour of spilitization in alkaline magmatism, Trias–Lias, of the Iberian chain and Mallorca (Spain) ... 70(1/2): 156
Lahermo, P. and Vuorinen, A., Geochemistry and biogeochemistry of Fe and Mn in Finnish surface water and groundwater ... 70(1/2): 11
Lahermo, P.W., see Sherwood, B. et al. ... 70(1/2): 40
Lahermo, P.W., see Blomqvist, R.G. et al. ... 70(1/2): 158

Laier, T., Light hydrocarbons in crystalline rock, Swedish deep gas project ..... 70(1/2): 11
Laier, T. and Nielsen, B.L., Cementing halite in Triassic Bunter Sandstone (Tønder, southwest Denmark) as a result of hyperfiltration of brines ..... 76(3/4): 353–363
Lakomy, R., see Buhl, D. et al. ..... 70(1/2): 66
Lal, D., Production of ^{3}He in terrestrial rocks ..... *66(1/2): 89– 98
Lalou, C. and Brichet, E., On the isotopic chronology of submarine hydrothermal deposits ..... *65(3/4): 197–207
Lalou, C., Brichet, E. and Thompson, G., U-series desequilibria as a dating tool for marine hydrothermal sulfides and oxides: examples from the M.A.R., 26°N ..... 70(1/2): 128
Lam, W.W., see Kronberg, B.I. et al. ..... 54(3/4): 283–294
Lambert, C.E., Veron, A., Nicolas, E. and Buat-Menard, P., Lead cycling in northeast Atlantic waters and sediments ..... 70(1/2): 11
Lambert, C.E., see Buat-Menard, P. et al. ..... 70(1/2): 194
Lambert, C.E., see Ruiz-Pino, D. et al. ..... 70(1/2): 198
Lambert, G. and Ardouin, B., Changes in the atmospheric transport of trace elements toward Antarctica ..... 70(1/2): 100
Lambert, G., Le Roulley, J.C. and Kritz, M., Box model for radon transfers into the stratosphere ..... 70(1/2): 100
Lambert, G., see Bonsang, B. et al. ..... 70(1/2): 95
Lambert, G., see Kritz, M. et al. ..... 70(1/2): 96
Lambert, G., see Gaudry, A. et al. ..... 70(1/2): 98
Lambert, G., see Le Cloarec, M.F. et al. ..... 70(1/2): 128
Lan, C.-Y., see Chen, C.-H. et al. ..... 70(1/2): 67
Lancelot, J., see Philippe, S. and Lancelot, J. ..... 70(1/2): 135
Lancelot, J., see Le Guen, M. et al. ..... 70(1/2): 135
Lancelot, J.R., see Lévêque, M.H. et al. ..... 69(1/2): 147–163
Lancelot, J.R., see Fourel, F. et al. ..... 70(1/2): 134
Land, L.S., Kupecz, J.A. and Mack, L.E., Louann salt geochemistry (Gulf of Mexico sedimentary basin, U.S.A.): A preliminary synthesis ..... 74(1/2): 25– 35
Land, L.S., see Lundegard, P.D. and Land, L.S. ..... 74(3/4): 277–287
Land, L.S., see Gao, G. et al. ..... 98(3/4): 257–269
Landais, P., Dubessy, J. and Wang, A., Progressive graphite alteration in a series of Proterozoic gneisses (Saskatchewan, Canada) ..... 70(1/2): 160
Landais, P., Monthioux, M. and Domine, F., Experimental simulation of organic matter thermal maturation . 70(1/2): 162
Landais, P., Brosse, E., Carisey, J.C., Meyer, A.J. and Pagel, M., Combined use of fluid inclusions, fission tracks, organic matter analyses and computer modelling for assessing the thermal history of Permian formations (Grand Canyon region, Arizona, U.S.A.) ..... 70(1/2): 185
Landais, P., Dereppe, J.M., Gauthier-Lafaye, F. and Robb, L.J., ^{13}C CP/MAS nuclear magnetic resonance analyses of Precambrian organic matters associated with uranium deposits ..... 70(1/2): 188
Landais, P., see Forbes, P. et al. ..... 71(4): 267–282
Landais, P., see Monthioux, M. and Landais, P. ..... 75(3): 209–226
Landais, P., see Monthioux, M. and Landais, P. ..... 77(1): 71– 85
Landis, C.R., Gangopadhyay, S. and Borst, W.L., Photochemistry of an unusual exsudatinite in Permian Basin shales ..... 93(1/2): 111–128
Landsberger, S., Spectral interferences from uranium fission in neutron activation analysis ..... 57(3/4): 415–421
Landsberger, S., Update of uranium fission interferences in neutron activation analysis ..... 77(1): 65– 70
Landsberger, S. and Simsons, A., Quantification of uranium, thorium and gadolinium spectral interferences in instrumental neutron activation analysis of samarium ..... 62(3/4): 223–226
Landström, O., see Tullborg, E.-L. et al. ..... 69(1/2): 49– 57
Lane, D.L., Rawson, S.A., Allen, C.C. and Burnell, J.R., Coupled transport and chemical reaction in basalt–groundwater flow-through experiments, 1. Alteration phase distributions and theoretical considerations ... 76(3/4): 327–340
Langevin, Y., see Dran, J.-C. et al. ..... 70(1/2): 126
Langmuir, C.H., Analysis of geological materials by direct current plasma spectometry ..... 70(1/2): 176
Langmuir, C.H. and Plank, T., Quantitative reevaluation of magma chamber processes and melting regime shape ..... 70(1/2): 153
Lapierre, H., see Brouxel, M. et al. ..... 77(3/4): 251–264
Lappin, M.A., see Gebauer, D. et al. ..... *52(2): 227–247
Larsen, J.G., see Holm, P.M. et al. ..... 70(1/2): 49
Larsen, L.M., *Carbonites. Genesis and Evolution* by K. Bell (Editor) (Book Review) ..... 90(3/4): 354–355
Larson, S.Å., see Tullborg, E.-L. et al. ..... 69(1/2): 49– 57
Lasaga, A., Fluid flow and chemical reaction kinetic in metamorphic systems ..... 70(1/2): 80
Lasaga, A.C., see Schott, J. and Lasaga, A.C. ..... 78(3/4): iii
Lasaga, A.C., see Nagy, K.L. and Lasaga, A.C. ..... 84(1/4): 283–285
Lasaga, A.C., see Steefel, C.I. et al. ..... 84(1/4): 322–325

Laslett, G.M., Green, P.F., Duddy, I.R. and Gleadow, A.J.W., Thermal annealing of fission tracks in apatite, 2. A quantitative analysis ..... *65(1): 1– 13
Laslett, G.M., see Green, P.F. et al. ..... *59(4): 237–253
Laslett, G.M., see Duddy, I.R. et al. ..... *73(1): 25– 38
Laslett, G.M., see Green, P.F. et al. ..... *79(2): 155–182
Lassey, K.R., see Blattner, P. and Lassey, K.R. ..... 70(1/2): 76
Lassey, K.R., see Blattner, P. and Lassey, K.R. ..... 78(3/4): 381–392
Latham, A.G., see Schwarcz, H.P. and Latham, A.G. ..... *80(1): 35– 43
Latham, A.G., see Przybylowicz, W. et al. ..... *86(2): 161–178
Latouche, C., see El Ghobary, H. and Latouche, C. ..... 54(3/4): 295–309
Lattanzi, P., see Cortecci, G. et al. ..... *58(1/2): 121–128
Lattanzi, P., see Bellanca, A. et al. ..... 61(1/4): 209–216
Lattanzi, P., see Cortecci, G. et al. ..... 76(3/4): 249–257
Laurent, R. and Hébert, R., The volcanic and intrusive rocks of the Québec Appalachian ophiolites (Canada) and their island-arc setting ..... 77(3/4): 287–302
Laurent, R., see Hébert, R. and Laurent, R. ..... 77(3/4): 265–285
Laurenzi, M., see Turner, G. et al. ..... 70(1/2): 142
Lavergne, D., see Gaillard, J-F. et al. ..... 63(1/2): 73– 84
Lavielle, B., Marti, K., Perron, C. and Pellas, P., Xenon reservoirs in the solar system ..... 70(1/2): 25
Lavielle, B., see Perron, C. et al. ..... 70(1/2): 31
Lavina, P., see Lo Bello, Ph. et al. ..... *66(1/2): 61– 71
Lavreau, J., see Fernandez-Alonso, M. et al. ..... 57(1/2): 217–234
Lavrukhina, A.K., see Kashkarov, L.L. et al. ..... 70(1/2): 31
Lawrance, L.M., see Freyssinet, Ph. et al. ..... 84(1/4): 61– 63
Lawrence, J.R., see Gieskes, J.M. et al. ..... 63(1/2): 143–155
Lawwongngam, K. and Philp, R.P., Geochemical characteristics of oils from the Sirikit Oilfield, Phisanulok Basin, Thailand ..... 93(1/2): 129–146
Le Cloarec, M.F., Lambert, G. and Ardouin, B., Isotopic enrichment of 210-Pb in gaseous emission from mount Etna (Sicily) ..... 70(1/2): 128
Le Coz-Bouhnik, M., see Gruau, G. et al. ..... *72(4): 353–356
Le Gleuher, M., Olivine weathering in basalts near Cooma, New-South-Wales, Australia ..... 84(1/4): 96– 97
Le Guen, M., Lancelot, J., Orgeval, J.J. and Combes, P.J., Behaviour of lead isotopic composition in a poly-phased Pb–Zn deposit (Les Malines, Gard, France) ..... 70(1/2): 135
Le Roex, A.P. and Watkins, R.T., Analysis of rare-earth elements in geological samples by gradient ion chromatography: An alternative to ICP and INAA ..... 88(1/2): 151–162
Le Roulley, J.C., see Bonsang, B. et al. ..... 70(1/2): 95
Le Roulley, J.C., see Lambert, G. et al. ..... 70(1/2): 100
Lea, D.W. and Boyle, E.A., Foraminiferal & coral barium as a paleo-tracer ..... 70(1/2): 110
Leake, B.E., see McCulloch, M.T. et al. ..... 70(1/2): 146
Leaney, F.W.J., see Allison, G.B. et al. ..... *58(1/2): 145–156
Leat, P., see Storey, M. et al. ..... 70(1/2): 57
Leat, P.T., Thompson, R.N., Morrison, M.A., Hendry, G.L. and Dickin, A.P., Geochemistry of mafic lavas in the early Rio Grande Rift, Yarmony Mountain, Colorado, U.S.A. ..... 81(1/2): 23– 43
Leavitt, S.W. and Long, A., Seasonal stable-carbon isotope variability in tree rings: possible paleoenvironmental signals ..... *87(1): 59– 70
Lebedev, E.B., see Delbove, F. et al. ..... 70(1/2): 86
Lebedev, E.B., see Delbove, F. et al. ..... 70(1/2): 159
Lebel, J., see Belzile, N. and Lebel, J. ..... 54(3/4): 279–281
Lebel.J., see Belzile, N. and Lebel.J. ..... 68(1/2): 99–103
Lechler, P.J. and Desilets, M.O., A review of the use of loss on ignition as a measurement of total volatiles in whole-rock analysis ..... 63(3/4): 341–344
Lechler, P.J. and Desilets, M.O., Dissolution of native sulfur by the acid bomb digestion technique for the determination of trace elements and total sulfur ..... 85(3/4): 305–309
Lécolle, P., The oxygen isotope composition of landsnail shells as a climatic indicator: Applications to hydrogeology and paleoclimatology ..... *58(1/2): 157–181
Lécuyer, C., Brouxel, M. and Fourcade, S., Hydrothermal activity in the Trinity ophiolite: water/rock and chemical mass balances between an oceanic crust and seawater ..... 70(1/2): 52
Lécuyer, C., Brouxel, M. and Albarède, F., Elemental fluxes during hydrothermal alteration of the Trinity ophiolite (California, U.S.A.) by seawater ..... 89(1/2): 87–115
Lécuyer, C., see Brouxel, M. et al. ..... 77(3/4): 251–264

Lécuyer, Chr. and Fourcade, S., Oxygen isotope evidence for multi-stage hydrothermal alteration at a fossil slow-spreading center: the Silurian Trinity ophiolite (California, U.S.A.) ..... *87(3/4): 231–246
Leder, J.J., see Swart, P.K. et al. ..... *86(2): 89– 96
Ledger, E.B., Rowe, M.R. and Howard, J.M., Uranium contents of carbonatite minerals, Magnet Cove, Arkansas, U.S.A. ..... 69(1/2): 165–169
Lee, C.A. and Fesq, H.W., Au, Ir, Ni and Co in some chromitites of the eastern Bushveld Complex, South Africa ..... 62(3/4): 227–237
Lee, J., see Brooks, R.R. et al. ..... 53(1/2): 31– 35
Lee, M.L., see Wise, S.A. et al. ..... 54(3/4): 339–357
Lee, T. and Chen, J.H., A U–Th depth profile for the western Pacific ..... 70(1/2): 197
Lee, T., see Chen, J.J. et al. ..... 70(1/2): 26
Lee, T., see Chen, C.-H. et al. ..... 70(1/2): 67
Lee, T., see You, C.-F. et al. ..... 77(2): 105–118
Lee, T., see Chen, Chen-H. et al. ..... 88(3/4): 317–332
Lee, Y.I., Isotopic aspects of thermal and burial diagenesis of sandstones at DSDP Site *445*, Daito Ridge, northwest Pacific Ocean ..... *65(2): 95–102
Lee, Y.I., Chemistry and origin of zeolites in sandstones at DSDP Sites *445* and *446*, Daito Ridge and Basin Province, Northwest Pacific ..... 67(3/4): 261–273
Lee-Thorp, J.A., see Quade, J. et al. ..... *94(3): 183–192
Leeman, W.P., see Norman, M.D. and Leeman, W.P. ..... 81(3): 167–189
Leg 118 Shipboard Party, see Kempton, P.D. et al. ..... 70(1/2): 51
Legendre, O., see Fouillac, A.M. et al. ..... 76(3/4): 271–289
Legrand, M. and Kirchner, S., Ozone depletion and chemistry of recent (1957–1983) south polar precipitation ..... 70(1/2): 100
Legrand, M. and Kirchner, S., Origins and variations of nitrate in polar precipitation ..... 70(1/2): 101
Legrand, M., Petit, J.R. and Lorius, C., Vostok (Antarctica) ice core: Atmospheric chemistry changes over the last climatic cycle (160,000 years) ..... 70(1/2): 101
Leguey, S., see Pozo, M. et al. ..... 84(1/4): 290–291
Lehtonen, K., Ketola, M. and Glückert, G., Lipids in the surface water of the Karevansuo virign bog, southwestern Finland ..... 93(3/4): 313–323
Lei, W., Linsalata, P., Penna Franca, E. and Eisenbud, M., Distribution and mobilization of cerium, lanthanum and neodymium in the Morro do Ferro basin, Brazil ..... 55(3/4): 313–322
Leleu, M., see Bosch, B. et al. ..... 55(1/2): 31– 44
Lemire, R.J., see Kamineni, D.C. and Lemire, R.J. ..... 90(1/2): 133–143
Lent, R.M., see Hines, M.E. et al. ..... 96(1/2): 53– 65
Lent, R.M., see Lyons, W.B. et al. ..... 96(1/2): 115–132
Leonardos, O.H., Fernandes, S.M., Fyfe, W.S. and Powell, M., The micro-chemistry of uraniferous laterites from Brazil: A natural example of inorganic chromatography ..... 60(1/4): 111–119
Leonardos, O.H., Fyfe, W.S. and Kronberg, B.I., The use of ground rocks in laterite systems: An improvement to the use of conventional soluble fertilizers? ..... 60(1/4): 361–370
Leplat, P., see Bjorøy, M. et al. ..... 93(1/2): 1– 11
Lerman, A., Weathering and erosional controls of geological cycles ..... 84(1/4): 13– 14
Lerman, A., see Veizer, J. et al. ..... 64(3/4): 225–237
Leroulley, J.C., see Kritz, M. et al. ..... 70(1/2): 96
Leroy, J.L. and Turpin, L., REE, Th and U behaviour during hydrothermal and supergene processes in a granitic environment ..... 68(3/4): 239–351
Leroy, J.L. and George-Aniel, B., The volcanic rocks as source rocks for uranium mineralizations ..... 70(1/2): 188
Leroy, J.L., see George-Aniel, B. and Leroy, J.L. ..... 70(1/2): 189
Leroy, J.L., see Turpin, L. et al. ..... 88(1/2): 85– 98
Lestringuez, J., see Yiou, F. et al. ..... 70(1/2): 178
Létolle, R., see Balabane, M. and Létolle, R. ..... *52(3/4): 391–396
Létolle, R., see Balabane, M. and Létolle, R. ..... *59(4): 327–331
Leventhal, J.S., see Hatch, J.R. and Leventhal, J.S. ..... 99(1/3): 65– 82
Lévêque, M.H., Lancelot, J.R. and George, E., The Bertholène uranium deposit — Mineralogical characteristics and U–Pb dating of the primary U mineralization and its subsequent remobilization: consequences upon the evolution of the U deposits of the Massif Central, France ..... 69(1/2): 147–163
Levin, I., see Bösinger, R. et al. ..... 70(1/2): 96
Levin, L., see Born, M. et al. ..... 70(1/2): 101
Levy, E.M., *Strategies and Advanced Techniques for Marine Pollution Studies: Mediterranean Sea* by C.S. Giam and H.J.-M. Dou (Editors) (Book Review) ..... 75(1/2): 147–148
Levy, S.S. and O'Neil, J.R., Moderate-temperature zeolitic alteration in a cooling pyroclastic deposit ..... 76(3/4): 321–326
Lewin, E. and Allègre, C.J., Chemical structure of the earth determined by global inversion of isotopic data . 70(1/2): 53

Lewin, E., see Allègre, C.J. et al. ..... 56(3/4): 219–227
Lewin, E., see Dupré, B. et al. ..... 70(1/2): 48
Lewin, E., see Allègre, C.J. et al. ..... 70(3): 211–234
Leyreloup, A.F., see Downes, H. et al. ..... 83(3/4): 209–231
Leythaeuser, D., see Krooss, B.M. et al. ..... 71(1/3): 65– 76
Leythaeuser, D., see Engel, M.H. et al. ..... 93(1/2): 47– 59
Li, D.M., see Chen, W.J. et al. ..... 71(4): 366
Li Da Ming., see Jäger, E. et al. ..... *52(3/4): 275–279
Li, J., see Bigot, M. et al. ..... 75(4): 339–350
Li, X., see Philpotts, J. et al. ..... 90(3/4): 177–188
Li, Y.-H., see You, C.-F. et al. ..... 77(2): 105–118
Libourel, G. Geiger, C.A., Merwin, L. and Sebald, A., ^{29}Si and ^{27}Al MAS–NMR spectroscopy of glasses in the system $CaSiO_3$–$MgSiO_3$–Al_2O_3 ..... 96(3/4): 387–397
Lichte, F., *A Handbook of Inductively Coupled Plasma Spectrometry* by M. Thompson and J.N. Walsh (Book Review) ..... 51(1/2): 153
Lichtner, P.C., see Murphy, W.M. et al. ..... 78(3/4): 357–380
Ličko, T., see Daněk, V. and Ličko, T. ..... 96(3/4): 439–447
Lico, M.S., see Welch, A.H. and Lico, M.S. ..... 70(1/2): 19
Liebermann, R.C., Remsberg, A.R. and Wang, Y., Mechanics of phase transformations ..... 70(1/2): 62
Liégeois, J.P., see Weis, D. et al. ..... 57(1/2): 201–215
Liew, T.C., Finger, F. and Höck, V., The Moldanubian granitoid plutons of Austria: Chemical and isotopic studies bearing on their environmental setting ..... 76(1/2): 41– 55
Liew, T.C., see Kröner, A. et al. ..... 70(1/2): 146
Lightfoot, P.C., see Noble, S.R. et al. ..... *79(1): 15– 19
Lightman, P. and Marsh, A.R.W., Urban NMHC: Observations versus emission inventories for plume modelling: Missing items? ..... 70(1/2): 101
Linares, J., see Caballero, E. et al. ..... 89(3/4): 353–358
Linares, J., see Fiore, S. et al. ..... 99(4): 237–252
Lindblom, S., Evidence of fracturing and fluid movements in granite from Finnsjön, Sweden, derived from inclusions in fracture-filling calcite and prehnite ..... 61(1/4): 241–251
Lindenmayer, Z.G., see Tazaki, K. et al. ..... 67(3/4): 285–294
Lindfors, V., see Joffre, S.M. et al. ..... 70(1/2): 99
Lindsay, N.M., see Verhagen, B.Th. et al. ..... *80(4): 319–325
Linsalata, P., see Lei, W. et al. ..... 55(3/4): 313–322
Liotard, J.-M., see Dupuy, C. et al. ..... 77(1): 1– 18
Liotard, J.M., see Dautria, J.M. et al. ..... 69(1/2): 17– 35
Lippolt, H.J., Fuhrmann, U. and Hradetzky, H., $^{40}Ar/^{39}Ar$ age determinations of sanidines of the Eifel volcanic field (Federal Republic of Germany): Constraints on age and duration of a Middle Pleistocene cold period ..... *59(2/3): 187–204
Lippolt, H.J., see Hess, J.C. and Lippolt, H.J. ..... *59(2/3): 143–154
Lippolt, H.J., see Hess, J.C. and Lippolt, H.J. ..... *59(4): 223–236
Lippolt, H.J., see Fuhrmann, U. et al. ..... *66(1/2): 40– 51
Lippolt, H.J., see Hess, J.C. et al. ..... *66(1/2): 137–149
Lippolt, H.J., see Pidgeon, R.T. et al. ..... 70(1/2): 145
Lishman, J.P., see Hilton, J. et al. ..... 56(3/4): 325–333
Lisitsyna, M.A., see Kolokoltsev, V.G. et al. ..... 84(1/4): 86– 87
Liu, C.-L., see Coleman, D.D. et al. ..... 71(1/3): 23– 40
Liu, C.-Q., Masuda, A. and Xie, G.-H., Isotope and trace-element geochemistry of alkali basalts and associated megacrysts from the Huangyishan volcano, Kuandian, Liaoning, NE China ..... 97(3/4): 219–231
Liu, K.-K., Variation of nitrogen isotope fractionation during denitrification and nitrogen isotope balance in the ocean ..... 70(1/2): 196
Liu, K-K. and Epstein, S., The hydrogen isotope fractionation between kaolinite and water (Erratum) ..... *52(3/4): 398
Liu, M.G., see Zhang, J. et al. ..... 89(1/2): 189–199
Liu Ruo Xin., see Jäger, E. et al. ..... *52(3/4): 275–279
Liu, T., see Dorn, R.I. et al. ..... 99(4): 289–298
Liu,K-K., see Chen, C.-H. et al. ..... 68(1/2): 41– 56
Llavona, M., see Rua-Figueroa, A. et al. ..... 61(1/4): 217–224
Lloyd, R.V. and Lumsden, D.N., The influence of temperature on the radiation damage line in ESR spectra of metamorphic dolomites: A potential paleothermometer ..... 64(1/2): 103–108

Lo Bello, Ph., Féraud, G., Hall, C.M., York, D., Lavina, P. and Bernat, M., $^{40}Ar/^{39}Ar$ step-heating and laser fusion dating of a Quaternary pumice from Neschers, Massif Central, France: The defeat of xenocrystic contamination ..... *66(1/2): 61– 71
Lo, K., see Baumer, A. et al. ..... 54(3/4): 311–318
Lo Monaco, S. and Yanes, C., Model for bauxite formation: Los Pijiguaos, Venzuela ..... 84(1/4): 98– 99
Lo Monaco, S., see Tosiani, D.T. et al. ..... 84(1/4): 137–138
Løberg, R., see Bjorøy, M. et al. ..... 93(1/2): 1– 11
Lodders, K. and Palme, H., The significance of Mo for the geochemistry of the upper mantle ..... 70(1/2): 53
Loewenstein, M., Podolske, J.R., Strahan, S.E. and Chan, K.R., Nitrous oxide as a dynamical tracer in the 1987 Airborne Antarctic Ozone Experiment ..... 71(4): 367
Lombardi, G., see Cavarretta, G. and Lombardi, G. ..... 82(1/2): 15– 20
Long, A., see Leavitt, S.W. and Long, A. ..... *87(1): 59– 70
Long, D.T., Lyons, Wm.B. and Gaudette, H.E., Trace-metal concentrations in modern marine sabkhas ..... 53(3/4): 185–189
Long, D.T., Fegan, N.E., Lyons, W.B., Hines, M.E., Macumber, P.G. and Giblin, A.M., Geochemistry of acid brines: Lake Tyrrell, Victoria, Australia ..... 96(1/2): 33– 52
Long, D.T., Fegan, N.E., McKee, J.D., Lyons, W.B., Hines, M.E. and Macumber, P.G., Formation of alunite, jarosite and hydrous iron oxides in a hypersaline system: Lake Tyrrell, Victoria, Australia ..... 96(1/2): 183–202
Long, D.T., see Lyons, W.B. et al. ..... 96(1/2): vii
Long, D.T., see Hines, M.E. et al. ..... 96(1/2): 53– 65
Long, D.T., see Fee, J.A. et al. ..... 96(1/2): 67– 93
Long, D.T., see Lyons, W.B. et al. ..... 96(1/2): 115–132
Long, D.T., see Fegan, N.E. et al. ..... 96(1/2): 167–181
Longerich, H.P., Jenner, G.A., Fryer, B.J. and Jackson, S.E., Inductively coupled plasma–mass spectrometric analysis of geological samples: A critical evaluation based on case studies ..... 83(1/2): 105–118
Longerich, H.P., see Kantipuly, C.J. et al. ..... 69(1/2): 171–176
Longerich, H.P., see Jackson, S.E. et al. ..... 83(1/2): 119–132
Longerich, H.P., see Jenner, G.A. et al. ..... 83(1/2): 133–148
Longinelli, A., see D'Angela, D. and Longinelli, A. ..... 70(1/2): 204
Longinelli, A., see Piccirillo, E.M. et al. ..... 75(1/2): 103–122
Longinelli, A., see D'Angela, D. and Longinelli, A. ..... *86(1): 75– 82
Longinelli, A., see Iacumin, P. et al. ..... *86(3): 225–237
Longo, J.M., see Huang, W.L. and Longo, J.M. ..... 98(3/4): 271–292
Lønøy, A., see Smalley, P.C. et al. ..... 70(1/2): 17
Loop, J., see Hall, G.E.M. et al. ..... 67(1/2): 35– 45
Lopez de la Vega, R., see Stanley, K.D. et al. ..... 91(2): 169–183
Lopez Galindo, A. and Oddone, M., The distribution of clay minerals, rare-earths and trace elements in Middle Cretaceous mudstones of the southern Iberian paleomargin ..... 84(1/4): 169–172
Lopez-Galindo, A. and Martin-Algarra, A., Mineralogy and geochemistry of middle-Cretaceous clays in flysches in the "Campo de Gibraltar" complex (southern Spain) ..... 84(1/4): 271–274
López-Galindo, A., see Grimalt, J.O. et al. ..... 82(3/4): 341–363
Lopez-Ruiz, J., see Hertogen, J. et al. ..... 70(1/2): 153
Lorah, M.M., see Herman, J.S. and Lorah, M.M. ..... 62(3/4): 251–262
Lord, B.K., Jones, L.M. and Faure, G., Evidence for the existence of the Gondwana ice sheet in the ^{18}O depletion of carbonate rocks in the Permian formations of the Transantarctic Mountains ..... *72(2): 163–171
Loredo, J., see Rua-Figueroa, A. et al. ..... 61(1/4): 217–224
Lorenz, V., Phreamagmatism and its relevance ..... 62(1/2): 149–156
Lorin, J.C., Slodzian, G., Dennebouy, R. and Chaintreau, M., *In situ* oxygen isotopes measurement in meteorites and interplanetary dust particles ..... 70(1/2): 25
Lorius, C., see Legrand, M. et al. ..... 70(1/2): 101
Loss, R.D., Rosman, K.J.R., De Laeter, J.R., Curtis, D.B., Benjamin, T.M., Gancarz, A.J., Maeck, W.J. and Delmore, J.E., Fission-product retentivity in peripheral rocks at the Oklo natural fission reactors, Gabon . 76(1/2): 71– 84
Lottermoser, B.G., Rare-earth element behaviour associated with strata-bound scheelite mineralisation (Broken Hill, Australia) ..... 78(2): 119–134
Loubet, M., Di Donato, G. and Olive, V., Mantle heterogeneities: isotopic and trace element characterisation of a major OIB source component interpreted as representative of oceanic crust segments recycled into the mantle through its historical evolution ..... 70(1/2): 53
Loubet, M., see Sagna, I. et al. ..... 70(1/2): 15
Loubet, M., see Regba, M. and Loubet, M. ..... 70(1/2): 53
Loubet, M., see Di Donato, G. and Loubet, M. ..... 70(1/2): 153
Loubet, M., see Noack, Y. et al. ..... 84(1/4): 111–113
Loubet, M., see Claparols, C. et al. ..... 84(1/4): 360–362

Loubet, M., see Walter, A.-V. et al. ..... 84(1/4): 378–380
Love, K.M. and Woronow, A., Chemical changes induced in aragonite using treatments for the destruction of organic material ..... 93(3/4): 291–301
Loveridge, W.D., see Roddick, J.C. et al. ..... *66(1/2): 111–121
Lovering, J.F., see Green, P.F. et al. ..... *79(2): 155–182
Lu, F.-Q., Smith, J.V., Sutton, S.R., Rivers, M.L. and Davis, A.M., Synchrotron X-ray fluorescence analysis of rock-forming minerals, 1. Comparison with other techniques; 2. White-beam energy-dispersive procedure for feldspars ..... 75(1/2): 123–143
Luck, J., see Zeibig, G. et al. ..... 74(3/4): 343–349
Luck, J.-M., see Rocchia, R. et al. ..... 70(1/2): 120
Luck, J.-M., see Reisberg, L. et al. ..... 70(1/2): 202
Luck, J.M., Pegram, W.J. and Allègre, C.J., Osmium isotopes in orogenic lherzolites and ultramafic samples . 70(1/2): 54
Luck, J.M., see Pegram, W.J. et al. ..... 70(1/2): 55
Luck, J-M., see Watson, E.B. et al. ..... 62(3/4): 191–208
Lucotte, M. and d'Anglejan, B., Processes controlling phosphate adsorption by iron hydroxides in estuaries .. 67(1/2): 75– 83
Ludden, J.N., see Smith, A.D. et al. ..... 81(1/2): 17– 22
Ludden, J.N., see Gillis, K.M. et al. ..... 98(1/2): 71– 86
Ludwig, K.R. and Turi, B., Paleozoic age of the Capo Spartivento Orthogneiss, Sardinia, Italy ..... *79(2): 147–153
Lueck, A., see Wan, G.J. et al. ..... 63(3/4): 181–196
Luecke, W., Anionic matrix interferences on alkali elements in atomic absorption spectrometry — Its significance to silicate analyses ..... 98(3/4): 323–326
Lugmair, G.W. and Brick, J.-L., Isotope anomalies in nickel and other iron group elements ..... 70(1/2): 26
Lugmair, G.W., see Birck, J.L. and Lugmair, G.W. ..... 70(1/2): 24
Lumsden, D.N., see Lloyd, R.V. and Lumsden, D.N. ..... 64(1/2): 103–108
Lundegard, P.D. and Land, L.S., Carbonate equilibria and pH buffering by organic acids — Response to changes in p_{CO_2} ..... 74(3/4): 277–287
Lundqvist, T., see Claesson, S. and Lundqvist, T. ..... 70(1/2): 6
Lustenhouwer, W.J., see Burke, E.A.J. and Lustenhouwer, W.J. ..... 61(1/4): 11– 17
Lutz, T.M. and Srogi, L.-A., Biased isochron ages resulting from subsolidus isotope exchange: A theoretical model and results ..... 56(1/2): 63– 71
Luz, B., see Kolodny, Y. and Luz, B. ..... 70(1/2): 184
Lyon, G.L., see Abrajano, T.A. et al. ..... 71(1/3): 211–222
Lyon, G.L., see Robinson, B.W. et al. ..... *86(4): 295–306
Lyons, T.W. and Berner, R.A., Carbon–sulfur–iron systematics of the uppermost deep-water sediments of the Black Sea ..... 99(1/3): 1– 27
Lyons, W.B., Long, D.T., Herczeg, A.L. and Hines, M.E. (Guest-Editors), Preface to Special Issue "The Geochemistry of Acid Groundwater Systems" ..... 96(1/2): vii
Lyons, W.B., Welch, S., Long, D.T., Hines, M.E., Giblin, A.M., Carey, A.E., Macumber, P.G., Lent, R.M. and Herczeg, A.L., The trace-metal geochemistry of the Lake Tyrrell system brines (Victoria, Australia) ..... 96(1/2): 115–132
Lyons, W.B., see Chormann, Jr., F.H. et al. ..... 53(1/2): 25– 30
Lyons, W.B., see Spencer, M.J. et al. ..... 70(1/2): 104
Lyons, W.B., see Long, D.T. et al. ..... 96(1/2): 33– 52
Lyons, W.B., see Hines, M.E. et al. ..... 96(1/2): 53– 65
Lyons, W.B., see Fee, J.A. et al. ..... 96(1/2): 67– 93
Lyons, W.B., see Fegan, N.E. et al. ..... 96(1/2): 167–181
Lyons, W.B., see Long, D.T. et al. ..... 96(1/2): 183–202
Lyons, Wm.B., see Long, D.T. et al. ..... 53(3/4): 185–189

Ma, J.L., see Condomines, M. et al. ..... 70(1/2): 126
Maas, R. and McCulloch, M.T., The age and origin of unconformity-type uranium deposits, Sm–Nd and Rb–Sr isotopic evidence ..... 70(1/2): 135
Maas, R. and McCulloch, M.T., A search for fossil nuclear reactions in the Alligator River Uranium Field, Australia: Constraints from Sm, Gd and Nd isotopic studies ..... 88(3/4): 301–315
Maas, R., see McCulloch, M.T. et al. ..... 70(1/2): 146
Maas, R., see Eberz, G.W. et al. ..... 85(1/2): 119–134
Maboko, M.A.H., McDougall, I., Zeitler, P.K. and Fitz Gerald, J.D., Discordant ^{40}Ar–^{39}Ar ages from the Musgrave Ranges, central Australia: Implications for the significance of hornblende ^{40}Ar–^{39}Ar spectra ... *86(2): 139–160
Macciotta, G., see Beccaluva, L. et al. ..... 77(3/4): 165–182
Macciotta, G., see Beccaluva, L. et al. ..... 77(3/4): 331–345
MacDonald, M.A. and Clarke, D.B., Use of nonparametric ranking statistics to characterize magmatic and post-magmatic processes in the eastern South Mountain Batholith, Nova Scotia, Canada ..... 92(1/3): 1– 20

Macdougall, J.D. and Martin, E., Seawater strontium isotopes at the K–T boundary ... 70(1/2): 119
MacDougall, J.D., see Gopalan, K. et al. ... 70(1/2): 144
Macedo, J.W.P., see Bellieni, G. et al. ... 97(1/2): 9– 32
Macedo, M.H.F., see Bellieni, G. et al. ... 97(1/2): 9– 32
Machado, N., Early Proterozoic continental accretion in the Canadian Shield: Evidence from U–Pb geochronology of reactivated Archean crust in the Labrador Trough and Thompson Belt ... 70(1/2): 70
Mack, L.E., see Land, L.S. et al. ... 74(1/2): 25– 35
MacKenzie, A.B., see Smellie, J.A.T. et al. ... 55(3/4): 233–254
Macko, S.A., Fogel (Estep), M.L., Hare, P.E. and Hoering, T.C., Isotopic fractionation of nitrogen and carbon in the synthesis of amino acids by microorganisms ... *65(1): 79– 92
Macko, S.A., Engel, M.H., Hartley, G., Hatcher, P., Helleur, R., Jackman, P. and Silfer, J.A., Isotopic compositions of individual carbohydrates as indicators of early diagenesis of organic matter in peat ... 93(1/2): 147–161
Macko, S.A., see Sherwood, B. et al. ... 70(1/2): 40
Macko, S.A., see Sherwood, B. et al. ... 71(1/3): 223–236
Macko, S.A., see Engel, M.H. et al. ... 93(1/2): 47– 59
Macleod, G., Fallick, A.E. and Hall, A.J., The mechanism of carbonate mineral growth on concrete structures, as elucidated by carbon and oxygen isotope analysis ... *86(4): 335–343
MacPherson, G.J., see Crozaz, G. and MacPherson, G.J. ... 70(1/2): 30
Macquaker, J.M.S., see Aplin, A.C. et al. ... 70(1/2): 2
MacRae, N.D. and Metson, J.B., In situ rare-earth element analysis of coexisting pyroxene and plagioclase by secondary ion mass spectrometry ... 53(3/4): 325–333
MacRae, N.D. and Russell, M.R., Quantitative REE SIMS analyses of komatiite pyroxenes, Munro Township, Ontario, Canada ... 64(3/4): 307–317
MacRae, N.D., see Muir, I.J. et al. ... 64(3/4): 269–278
Macumber, P.E., see Fegan, N.E. et al. ... 96(1/2): 167–181
Macumber, P.G., Hydrological processes in the Tyrrell Basin, southeastern Australia ... 96(1/2): 1– 18
Macumber, P.G., see Herczeg, A.L. et al. ... 96(1/2): 19– 32
Macumber, P.G., see Long, D.T. et al. ... 96(1/2): 33– 52
Macumber, P.G., see Lyons, W.B. et al. ... 96(1/2): 115–132
Macumber, P.G., see Long, D.T. et al. ... 96(1/2): 183–202
Made, B. and Fritz, B., The composition of weathering solutions on granitic rocks: Comparison between field observations and water–rock interaction simulations based on thermodynamic and kinetic laws ... 84(1/4): 100–104
Madgwick, J.C., see Pracejus, B. et al. ... 88(1/2): 143–149
Madon, M. and Price, G.D., Infrared spectroscopy of the polymorphic series (clinoenstatite, ilmenite and perovskite) of $MgSiO_3$, $MgGeO_3$ and $MnGeO_3$ ... 70(1/2): 62
Maeck, W.J., see Loss, R.D. et al. ... 76(1/2): 71– 84
Maest, A.S., Crerar, D.A., Stallard, R.F. and Ryan, J.N., Metal and nutrient behavior in the Raritan estuary, New Jersey, U.S.A.: The effect of multiple freshwater and industrial waste inputs ... 81(1/2): 133–149
Magaritz, M., A new explanation for cyclic deposition in marine evaporite basins: Meteoric water input ... 62(3/4): 239–250
Magaritz, M., Isotope study of the water cycle in the desert of northern Chili ... 70(1/2): 168
Magaritz, M., Amiel, A.J. and Ronen, D., On the natural variability of trace-metal content of particulate matter in deep aquifer ... 100(1/2): 147–158
Magaritz, M., see Bogoch, R. et al. ... 56(3/4): 281–288
Magaritz, M., see Halbout, J. et al. ... 70(1/2): 119
Magaritz, M., see Avigour, A. et al. ... 82(1/2): 69– 81
Maggetti, M., Galetti, G. and Stosch, H.-G., Eclogites from the Silvretta nappe (Switzerland): Geochemical constraints on the nature and geotectonic setting of their protoliths ... 64(3/4): 319–334
Magnin, F., Guendon, J.-L., Quinif, Y., Roiron, P. and Thinon, M., Travertine as evidence for environmental and climatic changes; a middle Pleistocene example in Mediterranean France ... 84(1/4): 173–175
Magonthier, M.C., Brousse, C., Petit, J.C., Dran, J.C. and Paccagnella, A., Direct comparative study by means of MEV ion beam techniques of complex silicate glass alterability upon aqueous corrosion ... 70(1/2): 162
Mahadevan, R., see Nair, N.G.K. et al. ... 60(1/4): 309–315
Mahfoud, R.F. and Beck, J.N., Alkaline basalt–phonolite rocks from the Singen area, Hegau, southern F.R.G. ... 74(3/4): 217–227
Mahoney, J.J., see McMurtry, G.M. et al. ... 70(1/2): 120
Maier-Reimer, E., Geochemical fluxes in a three dimensional model of the oceanic circulation ... 70(1/2): 110
Mailhé, D., see Carpéna, J. and Mailhé, D. ... *66(1/2): 53– 59
Maiorani, A., see Bellanca, A. et al. ... 61(1/4): 209–216
Maire, R., see Cantillana, R. et al. ... 57(1/2): 137–144
Makishima, A. and Nakamura, E., Precise measurement of cerium isotope composition in rock samples ... *94(1): 1– 11
Makishima, A. and Nakamura, E., Calibration of Farada cup efficiency in a multicollector mass spectrometer ... *94(2): 105–110

Malinowski, J., *Antarctica: Soils, Weathering Processes and Environment* by I.B. Campbell and G.G.C. Claridge (Book Review) ..... 78(1): 77– 79
Maliorano, A., see Allard, P. et al. ..... 70(1/2): 2
Malomo, S., Mineralogy and chemistry of different fractions of some soil laterites from northeast Brazil ..... 60(1/4): 101–109
Malur, M.N., Nagendra, R. and Rudralah, M., Major and trace element associations in carbonates of Bhima basin, Karnataka, South India ..... 70(1/2): 71
Maluski, H. and Monié, P., Multidating internal correlation plot and location of excess argon with laser probe ^{39}Ar–^{40}Ar technique ..... 70(1/2): 176
Maluski, H. and Monié, P., ^{40}Ar–^{39}Ar laser probe multi-dating inside single biotites of a Variscan orthogneiss (Pinet, Massif Central, France) ..... *73(3): 245–263
Maluski, H., Monié, P., Kienast, J.R. and Rahmani, A., Location of extraneous argon in granulitic-facies minerals: A paired microprobe-laser probe $^{40}Ar/^{39}Ar$ analysis ..... *80(3): 193–217
Maluski, H., see Costa, S. and Maluski, H. ..... *72(2): 127–144
Malvin, D.J., see Drake, M.J. et al. ..... 70(1/2): 143
Manceau, A. and Charlet, L., In-situ X-ray absorption study of the mechanism of $Cr^{(III)}$ oxidation at the Mn oxide/water interface ..... 84(1/4): 275–278
Manceau, A., see Calas, G. et al. ..... 70(1/2): 172
Manceau, A., see Calas, G. et al. ..... 84(1/4): 253–254
Manetti, P., see Francalanci, L. et al. ..... *73(2): 109–124
Mangas, J. and Arribas, A., Fluid inclusion study in different types of tin deposits associated with the Hercynian granites of western Spain ..... 61(1/4): 193–208
Manghnani, M.H., Ming, L.-C., Kim, Y.H. and Devi, S.U., Thermal expansivity of stishovite and γ-$(Mg, Fe)_2SiO_4$ spinels to 900°C using synchrotron radiation ..... 70(1/2): 63
Manghnani, M.H., Xu, J.-A., Meng, Y., Gu, Y. and Ming, L.-C., Elasticity of TiO_2–SiO_2 glasses under pressure and temperature using Brillouin scattering ..... 70(1/2): 63
Manghnani, M.H., Xu, J., Gu, Y. and Ming, L.C., Elasticity of TiO_2–SiO_2 glasses under pressure and temperature using Brillouin spectroscopy ..... 70(1/2): 88
Mangini, A., Eisenhauer, A., Walter, P., Beer, J., Bonani, G., Hofmann, H.J., Suter, M. and Wölfli, W., ^{10}Be and ^{230}Th stratigraphy in sediments from high latitudes ..... 70(1/2): 110
Mangrich, A.S., see Sousa, J.J.F. et al. ..... 63(1/2): 17– 20
Manhès, G., Göpel, C. and Allègre, C.J., U–Pb systematics in Allende inclusions ..... 70(1/2): 32
Manhès, G., see Seimbille, F. et al. ..... 70(1/2): 16
Manhès, G., see Göpel, C. et al. ..... 70(1/2): 49
Manhès, G., see Dia, A. et al. ..... 70(1/2): 118
Manhès, G., see Chabaux, E. et al. ..... 70(1/2): 125
Manhès, G., see Dia, A. et al. ..... 75(4): 291–304
Manier-Glavinaz, V., Couty, R. and Lagache, M., Experimental study of the equilibrium between a natural beryl and hydrothermal fluids, geochemical inferences ..... 70(1/2): 162
Mann, H., Tazaki, K., Fyfe, W.S., Beveridge, T.J. and Humphrey, R., Cellular lepidocrocite precipitation and heavy-metal sorption in *Euglena* sp. (unicellular alga): Implications for biomineralization ..... 63(1/2): 39– 43
Manning, D.A.C., see Gou Xuemin et al. ..... 64(3/4): 181–195
Manning, L.K., Frost, C.D. and Branthaver, J.F., A neodymium isotopic study of crude oils and source rocks: potential applications for petroleum exploration ..... 91(2): 125–138
Mantisi, F and Poisson, A., First measurments of Freons 11 and 12 in the Antarctic zone of the Indian Ocean 70(1/2): 110
Manton, W.I., Separation of Pb from young zircons by single-bead ion exchange ..... *73(2): 147–152
Manton, W.I., In memoriam Hugh Leonard Allsopp (1929–1986) (Obituary) ..... *73(4): 275–277
Mantovani, M., see Bruno, J. et al. ..... 70(1/2): 188
Mao, C.-X., see Zhu, G.-Q. et al. ..... 70(1/2): 149
Mao H.-K., see Jephcoat, A. and Mao H.-K. ..... 70(1/2): 62
Mao, H.K., see Frantz, J.D. et al. ..... 69(3/4): 235–244
Marcantonio, F., Dickin, A.P. and McNutt, R.H., A Proterozoic crustal terrane recognized in Scotland ..... 70(1/2): 68
Marcantonio, F., McNutt, R.H., Dickin, A.P. and Heaman, L.M., Isotopic evidence for the crustal evolution of the Frontenac Arch in the Grenville Province of Ontario, Canada ..... 83(3/4): 297–314
Marcantonio, F., see Dickin, A.P. et al. ..... 70(1/2): 67
Marchand, J., see Paquette, J.L. et al. ..... *52(2): 203–216
Mariano, A.N., see Mason, R.A. and Mariano, A.N. ..... 88(1/2): 191–206
Marinho, M., Rudowski, L., Sabate, P., Vachette, M. and Vidal, Ph., The granitic Trans-Amazonian alignment of the central part of the São Francisco Craton, Bahia, Brazil: Significance to the lower Proterozoic crustal evolution ..... 71(4): 368
Marinho, M.M., see Sabaté, P. et al. ..... 83(3/4): 325–338

Marion, G.M., Introne, D.S. and Van Cleve, K., The stable isotope geochemistry of $CaCO_3$ on the Tanana River floodplain of interior Alaska, U.S.A.: Composition and mechanisms of formation ..... *86(2): 97–110
Mariotti, A. and Balesdent, J., ^{13}C natural abundance as a tracer of soil organic matter turnover and paleoenvironment dynamics ..... 84(1/4): 217–219
Mariotti, A., Gadel, F., Giresse, P. and Kinga-Mouzeo., Carbon isotope compositions and geochemistry of particulate organic matter in the Congo River (Central Africa): Application to the study of Quaternary sediments off the mouth of the river ..... *86(4): 345–357
Mariotti, A., see Boulègue, J. et al. ..... 84(1/4): 352–353
Marker, A. and De Oliveira, J.J., The formation of rare-earth element scavenger minerals in weathering products derived from alkaline rocks in SE-Bahia, Brazil ..... 84(1/4): 373–374
Marlowe, I.T., Brassell, S.C., Eglinton, G. and Green, J.C., Long-chain alkenones and alkyl alkenoates and the fossil coccolith record of marine sediments ..... 88(3/4): 349–375
Marquer, D., see Fourcade, S. et al. ..... 77(2): 119–131
Marques, L.S., see Piccirillo, E.M. et al. ..... 75(1/2): 103–122
Marques, L.S., see Melfi, A.J. et al. ..... 84(1/4): 375–376
Marques, M., Viera, M.C., Abreu, M.M., Prudencio, M.I. and Cabral, J.M.P., The caliche of Odivelas–Serpa area of Alentejo (Portugal): An approach to their palaeoenvironmental interpretation ..... 84(1/4): 176–178
Marriner, G.F., see Storey, M. et al. ..... 70(1/2): 57
Marsh, A.R.W., see Lightman, P. and Marsh, A.R.W. ..... 70(1/2): 101
Marsh, B.D., see Del Marmol, M.-A. and Marsh, B.D. ..... 70(1/2): 86
Marsh, J.S., REE fractionation and Ce anomalies in weathered Karoo dolerite ..... 90(3/4): 189–194
Marsh, J.S., see Erlank, A.J. et al. ..... 70(1/2): 202
Marsiat, I., Berger, A., Gallee, H., Fichefet, Th. and Tricot, Ch., Modelling the long-term variations of a coupled-climate model over thge past 125,000 years: a test of the astronomical theory ..... 71(4): 368
Marsuo, S., see Kuroda, Y. et al. ..... *73(4): 343–352
Martel, D.J., O'Nions, R.K. and Oxburgh, E.R., Production and loss of helium in the continental crust ..... 70(1/2): 39
Martel, D.J., O'Nions, R.K., Hilton, D.R. and Oxburgh, E.R., The role of element distribution in production and release of radiogenic helium: the Carnmenellis Granite, southwest England ..... 88(3/4): 207–221
Martens, R.M., Rosenhauer, M., Büttner, H. and von Gehlen, K., Heat capacity and kinetic parameters in the glass transformation interval of diopside, anorthite and albite glass ..... 62(1/2): 49– 70
Marti, K., see Lavielle, B. et al. ..... 70(1/2): 25
Marti, K., see Perron, C. et al. ..... 70(1/2): 31
Martin, A., see Taylor, P.N. et al. ..... *87(3/4): 175–196
Martin, C., see Turekian, K.K. et al. ..... 84(1/4): 343
Martin, D., see Bergametti, G. et al. ..... 70(1/2): 94
Martin, D., see Bonsang, B. et al. ..... 70(1/2): 95
Martin, E., see Macdougall, J.D. and Martin, E. ..... 70(1/2): 119
Martin, J.-M., Meybeck, M., Nijampurkar, N. and Somayajulu, B.L.K., ^{226}Ra and ^{32}Si in Pavin lake (Massif Central, France) ..... *94(3): 173–181
Martín, F. and González-Vila, F.J., Fulvic acids from particulate matter of a water-logged peatland ..... 67(3/4): 353–358
Martin-Algarra, A., see Lopez-Galindo, A. and Martin-Algarra, A. ..... 84(1/4): 271–274
Martinet, A., see Carlier, P. et al. ..... 70(1/2): 102
Martínez Ruíz, F., Ortega Huertas, M., Palomo, I. and Barbieri, M., The geochemistry and mineralogy of the Cretaceous–Tertiary boundary at Agost (southeast Spain) ..... 95(3/4): 265–281
Martinotti, G., see Oberhänsli, R. et al. ..... *52(2): 165–184
Martins, G., see Bellieni, G. et al. ..... 97(1/2): 9– 32
Marty, B., Jambon, A. and Sano, Y., Helium isotopes and CO_2 in volcanic gases of Japan ..... 76(1/2): 25– 40
Marty, B., Gunnlaugsson, E., Jambon, A., Oskarsson, N., Ozima, M., Pineau, F. and Torssander, P., Gas geochemistry of geothermal fluids, the Hengill area, southwest rift zone of Iceland ..... 91(3): 207–225
Marty, B., see Jambon, A. et al. ..... 70(1/2): 38
Maruejol, P. and Cuney, M., U versus Th-concentration processes: an example from the Lagoa real albitized granites (Bahia, Brazil) ..... 70(1/2): 189
Masi, U., see Calderoni, G. et al. ..... 51(1/2): 29– 39
Masi, U., see Calderoni, G. et al. ..... 67(1/2): 63– 74
Masion, A., see Thomas, F. et al. ..... 84(1/4): 227–230
Mason, R.A., Ion microprobe analysis of trace elements in calcite with an application to the cathodoluminescence zonation of limestone cements from the Lower Carboniferous of South Wales, U.K. ..... 64(3/4): 209–224
Mason, R.A. and Mariano, A.N., Cathodoluminescence activation in manganese-bearing and rare earth-bearing synthetic calcites ..... 88(1/2): 191–206
Massa, P.J. and Ikramuddin, M., Thallium in gold–silver-bearing quartz veins and associated volcanic rocks from the Como mining, Nevada, U.S.A. ..... 54(1/2): 27– 34

Massiot, D., see Coté, B.B. et al. ..... 96(3/4): 367–370
Massis, T., see Casey, W.H. et al. ..... 78(3/4): 205–218
Massis, T., see Casey, W.H. et al. ..... 85(1/2): 197
Masuda, A., see Terakado, Y. and Masuda, A. ..... 67(3/4): 227–241
Masuda, A., see Terakado, Y. and Masuda, A. ..... 69(1/2): 103–110
Masuda, A., see Akagi, T. and Masuda, A. ..... 70(1/2): 2
Masuda, A., see Nakai, S.I. and Masuda, A. ..... 70(1/2): 12
Masuda, A., see Toyoda, K. and Masuda, A. ..... 88(1/2): 127–141
Masuda, A., see Liu, C.-Q. et al. ..... 97(3/4): 219–231
Mateer, N.J., see Cliff, R.A. et al. ..... 92(4): 251–260
Matheney, R.K., Brookins, D.G., Wallin, E.T., Shafiqullah, M. and Damon, P., Incompletely reset Rb–Sr systems from a Cambrian red-rock granophyre terrane, Florida Mountains, New Mexico, U.S.A. ..... *86(1): 29– 47
Mathews, W.H., see Juras, S.J. et al. ..... 64(1/2): 143–148
Mathieu, D., see Noack, Y. et al. ..... 84(1/4): 111–113
Mathieu, G.G., see Herczeg, A.L. et al. ..... *72(2): 181–196
Mathieu, J.-C., see Bottinga, Y. and Mathieu, J.-C. ..... 62(1/2): vii
Mathieu, J.-C., see Chastel, R. et al. ..... 62(1/2): 19– 29
Mathieu, J.C., see Rogez, J. et al. ..... 70(1/2): 89
Mathieu, J.C., see Zahra, A.M. et al. ..... 70(1/2): 89
Matsubara, K., Matsuda, J. and Sugisaki, R., Noble gases in Mesozoic cherts from the U.S.A. and Japan ..... *86(4): 287–293
Matsuda, J., see Matsubara, K. et al. ..... *86(4): 287–293
Matsuo, S., see Kuroda, Y. et al. ..... *58(4): 283–302
Mattey, D.P., Exley, R.A. and Pillinger, C.T., Carbon isotopic composition of coexisting fluid and dissolved species in basalt glass ..... 70(1/2): 11
Matthess, G. and Schenk, D., Weathering rates derived from field studies and laboratory experiments with various aquatic solvents ..... 84(1/4): 311–313
Matthews, A., Oxygen isotope thermometry in regional metamorphism ..... 70(1/2): 185
Matthews, R.A., see Ingraham, N.L. and Matthews, R.A. ..... *80(4): 281–290
Mattinson, J.M., U–Pb ages of zircons: a basic examination of error propagation ..... *66(1/2): 151–162
Matzigkeit, U., see Arneth, J.D. and Matzigkeit, U. ..... *58(4): 339–360
Mauk, J.L. and Hieshima, G.B., Organic matter and copper mineralization at White Pine, Michigan, U.S.A. . 99(1/3): 189–211
Maurath, G.C., see Dahl, P.S. et al. ..... 88(1/2): 163–167
Mayeda, T.K., see Clayton, R.N. et al. ..... 70(1/2): 183
Mayewski, P.A., see Chormann, Jr., F.H. et al. ..... 53(1/2): 25– 30
Mayewski, P.A., see Spencer, M.J. et al. ..... 70(1/2): 104
Mazaltarim, D., see Beauvais, A. et al. ..... 84(1/4): 25– 26
Mazaltarim, D., see Roquin, C. et al. ..... 84(1/4): 124–127
Mazor, E., Dubois, J.D., Fluck, J. and Jaffé, F.C., Noble gases as tracers identifying geothermal components in regions devoid of surface geothermal manifestations: A case study in the Baden springs area, Switzerland *72(1): 47– 61
Mazor, E., see Kroitoru, L. et al. ..... *79(3): 259–274
Mazzuoli, R., see Crisci, G.M. et al. ..... 78(1): 15– 33
McAllister, J.E. and Brand, U., Geochemistry of some Ordovician and Devonian trilobite cuticles from North America ..... 78(1): 51– 63
McArthur, J.M., Hamilton, P.J., Greensmith, J.T., Boyce, A.J., Fallick, A.E., Birch, G., Walsh, J.N., Benmore, R.A. and Coleman, M.L., Phosphorite geochemistry: Isotopic evidence for meteoric alteration of francolite on a local scale ..... *65(3/4): 415–425
McBirney, A.R. and Sonnenthal, E.L., Metasomatic replacement in the Skærgaard Intrusion, East Greenland: Preliminary observations ..... 88(3/4): 245–260
McCabe, C., see Sassen, R. et al. ..... 74(1/2): 57– 66
McCabe, W.J., see Whitehead, N.E. et al. ..... *94(4): 247–260
McCarthy, T.S. and Metcalfe, J., Chemical sedimentation in the semi-arid environment of the Okavango Delta, Botswana ..... 89(1/2): 157–178
McClure, D., see Crerar, D. et al. ..... 70(1/2): 159
McCulloch, M.T., Black, L.P. and Page, R.W., Proterozoic crustal growth: Underplating and magmatism ..... 70(1/2): 71
McCulloch, M.T., Maas, R., Wiedenbeck, M. and Leake, B.E., Provenance of early Archaean sediments from the northern Yilgarn Block of Western Australia: isotopic constraints ..... 70(1/2): 146
McCulloch, M.T., see Maas, R. and McCulloch, M.T. ..... 70(1/2): 135
McCulloch, M.T., see Sun, S.-S. et al. ..... 70(1/2): 148
McCulloch, M.T., see Nelson, D.R. and McCulloch, M.T. ..... *79(4): 275–293
McCulloch, M.T., see Vengosh, A. et al. ..... *79(4): 333–343
McCulloch, M.T., see Eberz, G.W. et al. ..... 85(1/2): 119–134

McCulloch, M.T., see Sheraton, J.W. et al. ..... 85(3/4): 215–246
McCulloch, M.T., see Maas, R. and McCulloch, M.T. ..... 88(3/4): 301–315
McDermott, F. and Hawkesworth, C.J., Intracrustal Rb/Sr fractionation and the implications for $^{87}Sr/^{86}Sr$ evolution in the upper crust ..... 70(1/2): 71
McDermott, F. and Hawkesworth, C.J., Intracrustal recycling and upper-crustal evolution: A case study from the Pan-African Damara belt, central Namibia ..... 83(3/4): 263–280
McDermott, F., Van Calsteren, P., Tuttas, D., Hawkesworth, C.J. and Elliot, T., High precision measurement of $^{234}U/^{238}U$ and $^{230}Th/^{232}Th$ ratios in young volcanic rocks using multi-collector mass spectrometry ..... 70(1/2): 128
McDermott, F., see Ellam, R.M. et al. ..... 83(3/4): 165–181
McDonough, W.F. and Sun, S.-S., A primitive mantle composition from xenoliths ..... 70(1/2): 12
McDougall, I., see Berry, R.F. and McDougall, I. ..... *59(1): 43– 58
McDougall, I., see Bird, M.I. et al. ..... *80(2): 133–145
McDougall, I., see Maboko, M.A.H. et al. ..... *86(2): 139–160
McEvoy, J., see Gou Xuemin et al. ..... 64(3/4): 181–195
McGibbon, F.M., Hawkesworth, C.J. and Menzies, M.A., Metasomatic or intercumulus origin of phlogopite in glimmerites from Foster Crater, Antarctica ..... 70(1/2): 12
McGregor, V.R., see Nutman, A.P. et al. ..... 70(1/2): 143
McKee, J.D., see Long, D.T. et al. ..... 96(1/2): 183–202
McKenzie, J.A., Dolomites: Reconciling modern sample with the ancient record ..... 84(1/4): 190–191
McKnight, D.M., see Kimball, B.A. et al. ..... 96(1/2): 227–239
McManus, K.M. and Hanor, J.S., Calcite and iron sulfide cementation of Miocene sediments flanking the West Hackberry salt dome, southwest Louisiana, U.S.A. ..... 74(1/2): 99–112
McMillan, P.F., Wolf, G.H. and Poe, B.T., Vibrational spectroscopy of silicate liquids and glasses ..... 96(3/4): 351–366
McMillan, P.F., see Pichavant, M. et al. ..... 96(3/4): 303–319
McMillan, P.F., see Poe, B.T. et al. ..... 96(3/4): 333–349
McMurtry, G.M., Vonderhaar, D.L. and Mahoney, J.J., Ferromanganese crust stratigraphy, the Cretaceous–Tertiary and Eocene–Oligocene boundaries, and Pacific paleoceanography from 82 Myr BP ..... 70(1/2): 120
McMurtry, G., see Sedwick, P.N. et al. ..... 70(1/2): 198
McMurtry, G.M., see De Carlo, E.H. and McMurtry, G.M. ..... 95(3/4): 235–250
McNaughton, N.J. and Bickle, M.J., K-feldspar Pb–Pb isotope systematics of Archaean post-kinematic granitoid intrusions of the Diemals area, central Yilgarn Block, Western Australia ..... *66(3/4): 193–208
McNaughton, N.J., see Rock, N.M.S. et al. ..... *66(1/2): 163–177
McNutt, R.H, see Franklyn, M.T. et al. ..... *86(2): 111–122
McNutt, R.H., see Dickin, A.P. et al. ..... 70(1/2): 67
McNutt, R.H., see Marcantonio, F. et al. ..... 70(1/2): 68
McNutt, R.H., see Dickin, A.P. et al. ..... 70(1/2): 179
McNutt, R.H., see Beakhouse, G.P. et al. ..... *72(4): 337–351
McNutt, R.H., see Beakhouse, G.P. et al. ..... *79(1): 96–97
McNutt, R.H., see Marcantonio, F. et al. ..... 83(3/4): 297–314
McNutt, R.H., see Dickin, A.P. et al. ..... 83(3/4): 315–324
Mead, G.A., see Hodell, D.A. et al. ..... *80(4): 291–307
Mearns, E.W., Neodymium isotope stratigraphy of Gullfaks oilfield ..... 70(1/2): 136
Mearns, E.W., A samarium–neodymium isotopic survey of modern river sediments from northern Britain ... *73(1): 1– 13
Mechiche, M., see Giuliani, G. et al. ..... 64(3/4): 279–294
Medina, J.A., see Pozo, M. et al. ..... 84(1/4): 290–291
Meen, J.K., Production of isotopic disequilibrium in igneous rocks by crustal contamination — An example from a Laramide volcanic center in Montana, U.S.A. ..... *72(4): 299–309
Meen, J.K., Negative Ce anomalies in Archean amphibolites and Laramide granitoids, southwestern Montana, U.S.A. ..... 81(3): 191–207
Mehta, V.K., see Raymahashay, B.C. et al. ..... 60(1/4): 327–330
Meijer, E.L., Modelling of non-linear equilibrium relations in the soil–water system ..... 84(1/4): 279–280
Meijer, E.M., see Van Dooremolen, W.A. et al. ..... 84(1/4): 139–141
Meiqi, Yang, see Bin, Zhao et al. ..... 70(1/2): 166
Melchior Larsen, L., *Oceanic Basalts*, by P.A. Floyd (Editor) (Book Review) ..... 97(3/4): 321–322
Melfi, A., see Boulange, B. et al. ..... 84(1/4): 30– 32
Melfi, A.J., Figueiredo, A.M., Kronberg, B.I., Dohert, W.D. and Marques, L.S., REE mobilities during incipient weathering of volcanic rocks of the Parana Basin, Brazil ..... 84(1/4): 375–376
Melfi, A.J., see Kronberg, B.I. et al. ..... 60(1/4): 79– 88
Melfi, A.J., see Piccirillo, E.M. et al. ..... 75(1/2): 103–122
Melfi, A.J., see Soubies, F. et al. ..... 84(1/4): 377
Melfi, A.J., see Piccirillo, E.M. et al. ..... 89(1/2): 19– 48

Melfi, A.J., see Bellieni, G. et al. ..... 97(1/2): 9– 32
Mellor, A., see Bain, D.C. et al. ..... 84(1/4): 23– 24
Menager, M.T., Petit, J.C. and Menet, C., Elemental remobilizations around the U-mineralized vein of the Jalerys (Morvan) ..... 70(1/2): 136
Mendelovici, E., Sagarzazu, A. and Villalba, R., The thermal reaction of Venezuelan lateritic bauxites with glycerol ..... 60(1/4): 177–184
Mendoza, Y.A., Gülaçar, F.O. and Buchs, A., Comparison of extraction techniques in Recent sediments, 1. Unsubstituted monocarboxylic acids ..... 62(3/4): 307–319
Mendoza, Y.A., Gülaçar, F.O. and Buchs, A., Comparison of extraction techniques for bound carboxylic acids in Recent sediments, 2. β-Hydroxyacids ..... 62(3/4): 321–330
Menet, C., see Menager, M.T. et al. ..... 70(1/2): 136
Meng, Y., see Manghnani, M.H. et al. ..... 70(1/2): 63
Mennessier, J.P., see Weis, D. et al. ..... 70(1/2): 58
Mennessier, J.P., see Weis, D. et al. ..... 70(1/2): 58
Menzie, D.E., *Reservoir Characterization* by L.W. Lake and H.B. Carroll, Jr. (Book Review) ..... 69(3/4): 359
Menzies, M.A., The geometry of Archean and Proterozoic lithospheric mantle domains beneath the western U.S.A. ..... 70(1/2): 54
Menzies, M.A., see McGibbon, F.M. et al. ..... 70(1/2): 12
Menzies, M.A., see Storey, M. et al. ..... 70(1/2): 57
Mercer, G.E., see Concha, M.A. et al. ..... 91(2): 153–168
Merceron, Th., Vieillard, Ph. and Meunier, A., Sequential crystallization of muscovite–pyrophyllite–donbassite–kaolinite by hydrothermal alteration in the granitic cupola of Echassières. A thermodynamic approach ... 70(1/2): 163
Merefield, J.R., Alkali metals in the Permo-Triassic as geochemical indicators of surficial processes ..... 56(1/2): 143–158
Merino, E., The geochemistry of habits and textures of authigenic quartz ..... 84(1/4): 233–234
Merlet, C. and Bodinier, J.L., Electron microprobe determination of transition elements at low concentration levels in silicate phases ..... 70(1/2): 172
Merlet, C. and Bodinier, J.-L., Electron microprobe determination of minor and trace transition elements in silicate minerals: A method and its application to mineral zoning in the peridotite nodule PHN *1611* .... 83(1/2): 55– 69
Merlivat, L., see Stievenard, M. et al. ..... 70(1/2): 57
Mermut, A.R., see Dowuona, G.N. et al. ..... *94(3): 205–213
Merwin, L., see Libourel, G. Geiger, C.A. et al. ..... 96(3/4): 387–397
Meschede, M., A method for discriminating between different types of mid-ocean ridge basalts and continental tholeiites with the Nb–Zr–Y diagram ..... 56(3/4): 207–218
Meshick, A.P., see Shukolyukov, Yu. and Meshick, A.P. ..... *66(1/2): 123–136
Meshick, A.P., see Shukolyukov, Yu.A. and Meshick, A.P. ..... 70(1/2): 41
Mesmer, R.E., see Castet, S. et al. ..... 70(1/2): 158
Mesmer, R.E., see Nguyen-Trung, C. et al. ..... 70(1/2): 190
Mestdagh, M., see Mosser, C. et al. ..... 84(1/4): 281–282
Metcalfe, J., see McCarthy, T.S. and Metcalfe, J. ..... 89(1/2): 157–178
Meter, M., see Gieré, R. et al. ..... 70(1/2): 161
Metrich, N., Chlorine and fluorine in the tholeiitic and the alkaline magmas of Etna (Sicily) ..... 70(1/2): 88
Metrich, N., Mosbah, M., Tirira, J. and Trocellier, P., Nuclear microprobe analysis, application to the volcanic glasses ..... 70(1/2): 177
Metson, J.B., see MacRae, N.D. and Metson, J.B. ..... 53(3/4): 325–333
Metson, J.B., see Nesbitt, H.W. et al. ..... 55(1/2): 139–160
Metson, J.B., see Muir, I.J. et al. ..... 64(3/4): 269–278
Metzl, N., Moore, B. and Poisson, A., Utilization of geochemical tracers in a model for the transport and carbon exchanges in the Indian Ocean ..... 70(1/2): 197
Meunier, A., see Parneix, J.C. et al. ..... 51(1/2): 89–101
Meunier, A., see Dudoignon, P. et al. ..... 70(1/2): 159
Meunier, A., see Merceron, Th. et al. ..... 70(1/2): 163
Meunier, A., see Turpault, M.P. et al. ..... 70(1/2): 165
Meunier, A., see Dudoignon, P. et al. ..... 70(1/2): 183
Meunier, A., see Dudoignon, P. et al. ..... 76(3/4): 385–401
Meunier, A., see Scopel, R. et al. ..... 84(1/4): 249–250
Meunier, J.D. and Breit, G.N., Paleofluids in the copper and uranium bearing sandstones, central Colorado Plateau: fluid inclusion and isotopic evidence in calcite ..... 70(1/2): 186
Meunier, J.D., Trouiller, A., Brulhet, J. and Pagel, M., Uranium and organic matter in a paleodeltaic environment: the Coutras deposit (Gironde, France) ..... 70(1/2): 189
Meybeck, M., see Martin, J.-M. et al. ..... *94(3): 173–181

Meyer, A.J., Storzer, D. and Pagel, M., Superimposed thermal events in sedimentary basins. Evidence from fission track analysis ... 70(1/2): 186
Meyer, A.J., Pironon, J. and Pagel, M., Fluid inclusion and fission track thermochronology from the Brent sandstone reservoir (Alwyn area, North Sea) ... 84(1/4): 241–242
Meyer, A.J., see Landais, P. et al. ... 70(1/2): 185
Meyer, G. and Piccot, D., Determination of chalcophile elements by epithermal neutron analysis using short-lived nuclides and coincidence spectrometry ... 70(1/2): 176
Meyer, G., see Cocherie, A. et al. ... 77(1): 27– 39
Meyer, M., see Robb, L.J. et al. ... 70(1/2): 147
Meyer, M., see Robb, L.J. and Meyer, M. ... 70(1/2): 190
Meyers, Ph.A., Pratt, L.M. and Nagy, B., Introduction to Special Issue "Geochemistry of Metalliferous Black Shales" ... 99(1/3): vii
Meyers, Ph.A., see Kettler, R.M. et al. ... 99(1/3): 29– 50
Michaelis, J., see Dreybrodt, W. et al. ... 97(3/4): 285–294
Michard, A., Rare earth abundances in geothermal waters ... 70(1/2): 163
Michard, A. and Albarède, F., The REE content of some hydrothermal fluids ... 55(1/2): 51– 60
Michard, A., see Bogoch, R. et al. ... 56(3/4): 281–288
Michard, A., see Albarède, F. and Michard, A. ... 57(1/2): 1– 15
Michard, A., see Albarède, F. and Michard, A. ... 64(1/2): 55– 65
Michard, A., see Sanjuan, B. et al. ... 68(1/2): 57– 67
Michard, A., see France-Lanord, C. et al. ... 84(1/4): 368–370
Michard, G., Modelling of trace element concentration in geothermal waters from granitic areas ... 70(1/2): 154
Michard, G., Behaviour of major elements and some trace elements (Li, Rb, Cs, Sr, Fe, Mn, W, F) in deep hot waters from granitic areas ... 89(1/2): 117–134
Michard, G., see Beaucaire, C., et al. ... 63(1/2): 85– 99
Michard, G., see Sanjuan, B. et al. ... 68(1/2): 57– 67
Michard, G., see Gaillard, J.-F. et al. ... 70(1/2): 115
Michard, G., see Ciabrini, J.P. et al. ... 70(1/2): 177
Michard, G., see Sarazin, G. et al. ... 71(4): 369
Michard, G., see Pauwels, H. et al. ... 78(3/4): 255–267
Michard, G., see Simonin, J.P. et al. ... 78(3/4): 343–356
Michard, G., see Zuddas, P. and Michard, G. ... 84(1/4): 337–338
Michard, G., see Sarazin, G. et al. ... 98(3/4): 307–316
Michel, D., see Tlig, S. et al. ... 62(3/4): 209–221
Michel, E., see Labeyrie, L.D. et al. ... 70(1/2): 109
Michot, J., Preface to Special Issue "Isotopes in Geology — Picciotto Volume" ... 57(1/2): vii
Michot, J., see Demaiffe, D. et al. ... 57(1/2): 167–179
Micklethwaite, R.K., see Beauchemin, D. et al. ... 95(1/2): 187–198
Middelburg, J.J., Van der Weijden, C.H. and Woittiez, J.R.W., Chemical processes affecting the mobility of major, minor and trace elements during weathering of granitic rocks ... 68(3/4): 253–273
Middelburg, J.J. and Comans, R.N.J., Sorption of cadmium on hydroxyapatite ... 90(1/2): 45– 53
Middelburg, J.J., see Van der Weijden, C.H. and Middelburg, J.J. ... 70(1/2): 18
Middelburg, J.J., see Van der Weijden, C.H. et al. ... 70(1/2): 19
Middelburg, J.J., see Van der Weijden, C.H. et al. ... 70(1/2): 199
Middleburg, J.J., see Van der Weijden, C.H. et al. ... 70(1/2): 19
Middlemost, E.A.K., Iron oxidation ratios, norms and the classification of volcanic rocks ... 77(1): 19– 26
Middleton, R., see Somayajulu, B.L.K. et al. ... *86(3): 253–258
Mihalopoulos, N., Nguyen, B.C. and Belviso, S., Dimethyl sulfide in the Somali upwelling area ... 70(1/2): 102
Milisenda, C., see Kröner, A. et al. ... 70(1/2): 146
Miller, Ch., Stosch, H.-G. and Hoernes, St., Geochemistry and origin of eclogites from the type locality Koralpe and Saualpe, Eastern Alps, Austria ... 67(1/2): 103–118
Miller, J.A., see Mitchell, J.G. et al. ... *72(2): 111–126
Miller, R.G., O'Nions, R.K., Hamilton, P.J. and Welin, E., Crustal residence ages of clastic sediments, orogeny and continental evolution ... 57(1/2): 87– 99
Miller, R.McG., see Erlank, A.J. et al. ... 70(1/2): 202
Miller, T., see Zoller, W.H. and Miller, T. ... 71(4): 370
Mills, G.L., see Chin, P.-K.F. and Mills, G.L. ... 90(3/4): 307–317
Milner, S.C., see Harris, Ch. et al. ... 70(1/2): 56
Milner, S.C., see Erlank, A.J. et al. ... 70(1/2): 202
Milnes, A.R., Bourman, R.P. and Fitzpatrick, R.W., Petrology and mineralogy of "laterites" in southern and eastern Australia and southern Africa ... 60(1/4): 237–250

Miloslavski, I., Heller-Kallai, L. and Aizenshtat, Z., Reactions of clay condensates with *n*-alkanes: comparison between clay volatiles and clay condensates ..... 91(3): 287–296
Milton, G.M. and Brown, R.M., Uranium series dating of calcite coatings in groundwater flow systems of the Canadian Shield ..... *65(1): 57– 65
Milton, G.M., Earle, E.D. and Deal, R.J.E., Analysis of acrylic for ^{232}Th and ^{238}U daughters ..... 71(4): 369
Minato, H., Tokuyama, A. and Sasaki, N., Concentration mechanisms of iron oxides and alumina in deep weathering crusts (Goshikidai, Kagawa, western Japan) ..... 60(1/4): 73– 78
Minčeva, E., see Eskenazy, G. and Minčeva, E. ..... 74(3/4): 265–276
Mineau, R., see Harnois, L. et al. ..... 85(1/2): 135–145
Ming, L.-C., see Manghnani, M.H. et al. ..... 70(1/2): 63
Ming, L.-C., see Manghnani, M.H. et al. ..... 70(1/2): 63
Ming, L.C., see Manghnani, M.H. et al. ..... 70(1/2): 88
Minster, J.F., see Ehomas, F. et al. ..... 70(1/2): 198
Minster, T., Nathan, Y. and Raveh, A., Carbon and sulfur relationships in marine Senonian organic-rich, iron-poor sediments from Israel — A case study ..... 97(1/2): 145–161
Mitchell, A.S., see Kruger, F.J. et al. ..... 70(1/2): 134
Mitchell, J.G. and Euwe, M.G., A model of single-stage concomitant potassium–argon exchange in acidic lavas from the Erlend Volcanic Complex, north of Shetland Islands ..... *72(2): 95–109
Mitchell, J.G., Penven, M-J., Ineson, P.R. and Miller, J.A., Radiogenic argon and major-element loss from biotite during natural waethering: A geochemical approach to the interpretation of potassium–argon ages of detrital biotite ..... *72(2): 111–126
Mitchell, J.G., Rands, P.N. and Ineson, P.R., Pertubation of the K–Ar age system in the Cleveland dyke, U.K.: Evidence of an Early Eocene age for barite mineralisation in the Magnesian Limestone of County Durham *79(1): 49– 64
Miura, Y., see Takaoka, N. and Miura, Y. ..... 70(1/2): 121
Miyake, M., Considerations on the evaluation of the fertility of oxisols in Brazil ..... 60(1/4): 351–359
Moenke-Blankenburg, L. and Günther, D., Laser microanalysis of geological samples by atomic emission spectrometry (LM–AES) and inductively coupled plasma–atomic emission spectrometry (LM–ICP–AES). 95(1/2): 85– 92
Moers, M. and Kreulen, R., Experimental determination of isochores for 30-wt.% $MgCl_2$ solutions ..... 61(1/4): 55– 58
Moge, M. and Pagel, M., Petrography, fluid inclusion and stable isotopes of Jurassic carbonate-cemented sandstones (Viking graben — North Sea) ..... 84(1/4): 243–245
Mogessie, A., Purtscheller, F. and Tessadri, R., Geochemistry of amphibolites from the Ötztal–Stubai Complex (northern Tyrol, Austria) ..... 51(1/2): 103–113
Mohan, M.S., see Ilger, J.D. et al. ..... 63(3/4): 197–216
Moine, B., see Guillot, C. et al. ..... 70(1/2): 163
Molinaroli, E., see Guerzoni, S. et al. ..... 70(1/2): 115
Möller, P., Correlation of homogenization temperatures of accessory minerals from sphalerite-bearing deposits and Ga/Ge model temperatures ..... 61(1/4): 153–159
Möller, P., see Morteani, G. et al. ..... 54(1/2): 53– 68
Möller, P., see Zeibig, G. and Möller, P. ..... 70(1/2): 20
Möller, P., see Danielson, A. et al. ..... 97(1/2): 89–100
Monaco, A., Modern sedimentation (processes and fluxes) and early diagenesis in the Mediterranean continental margin ..... 84(1/4): 204–205
Monaco, A., see Bernat, M. et al. ..... 75(4): 329–337
Moncaster, S.J. and Bottrell, S.H., Extraction of low-level sulphur from groundwaters for sulphur isotope analysis (Technical Note) ..... *94(1): 79– 82
Monchoux, P., see Béziat, D. et al. ..... 89(3/4): 243–262
Monfray, P., see Gaudry, A. et al. ..... 70(1/2): 98
Monfray, P., see Heimann, M. et al. ..... 70(1/2): 98
Mongelli, G., see Caggionelli, A. et al. ..... 99(4): 253–263
Monié, P., see Maluski, H. and Monié, P. ..... 70(1/2): 176
Monié, P., see Maluski, H. and Monié, P. ..... *73(3): 245–263
Monié, P., see Maluski, H. et al. ..... *80(3): 193–217
Monnin, Chr. and Galinier, C., The solubility of celestite and barite in electrolyte solutions and natural waters at 25°C: A thermodynamic study ..... 71(4): 283–296
Monnin, M. and Seidel, J.L., The kludon, a new possible radon-precursory signal and a tool to look for it ... 70(1/2): 102
Monson, B. and Parnell, J., Metal–organic relationships from the Irish Carboniferous ..... 99(1/3): 125–137
Montanari, A., see Odin, G.S. et al. ..... *86(3): 203–224
Monthioux, M. and Landais, P., Natural and artificial maturation of coal: Hopanoid stereochemistry ..... 75(3): 209–226
Monthioux, M. and Landais, P., Natural and artificial maturation of coal: Non-hopanoid biomarkers ..... 77(1): 71– 85
Monthioux, M., see Landais, P. et al. ..... 70(1/2): 162
Montigny, R., see Sagna, I. et al. ..... 70(1/2): 15

Mook, W.G., see Van der Wijk, A. et al. ..... *59(4): 283–292
Mook, W.G., see Dupont, L.M. and Mook, W.G. ..... *66(3/4): 323–333
Mookherjee, A. and Tenginkai, S.G., Some unusual geochemical features of the oxidized zone at the central sector of the Singhbhum copper belt, India ..... 60(1/4): 51– 62
Moorbath, S., Taylor, P.N. and Jones, N.W., Dating the oldest terrestrial rocks — fact and fiction ..... 57(1/2): 63– 86
Moorbath, S., Taylor P.N., Kramers, J.D., Wilson, J.F. and Orpen, J.L., Lead isotope data from the Zimbabwe Archaean: ages and cratonic riddles ..... 70(1/2): 145
Moorbath, S., see Nutman, A.P. et al. ..... 70(1/2): 143
Moorbath, S., see Wilson, N. et al. ..... 70(1/2): 146
Moorbath, S., see Taylor, P.N. et al. ..... *87(3/4): 175–196
Moore, B., see Metzl, N. et al. ..... 70(1/2): 197
Moore, J., see Andreoli, M.A.G. et al. ..... 70(1/2): 69
Moore, J.M. and Waters, D.J., Geochemistry and origin of cordierite–orthoamphibole/orthopyroxene–phlogopite rocks from Namaqualand, South Africa ..... 85(1/2): 77–100
Moore, J.M., see Harnois, L. and Moore, J.M. ..... 69(3/4): 267–289
Moore, J.M., see Willner, A. et al. ..... 81(3): 221–240
Moore, W.S., see Somayajulu, B.L.K. et al. ..... *86(3): 253–258
Morad, S., see AlDahan, A.A. and Morad, S. ..... 70(3): 249–255
Mordberg, L.E., see Kolokoltsev, V.G. et al. ..... 84(1/4): 86– 87
Morency, M., see Harnois, L. and Morency, M. ..... 77(2): 133–147
Morency, M., see Harnois, L. et al. ..... 85(1/2): 135–145
Morfill, G.E., Models of solar-system formation ..... 70(1/2): 32
Morgan, D.J., see Odin, G.S. et al. ..... *59(2/3): 127–131
Morgan, J.J., see Erel, Y. et al. ..... 85(3/4): 383–392
Morgan, M.D., Reassessment of precipitation chemistry reported for the New Jersey Pinelands (U.S.A.) in the early 1970's ..... 81(1/2): 151–156
Morgan, M.E., see Quade, J. et al. ..... *94(3): 183–192
Morin, K.A. and Cherry, J.A., Trace amounts of siderite near a uranium-tailing impoundment, Elliot Lake, Ontario, Canada, and its implication in controlling contaminant migration in a sand aquifer. ..... 56(1/2): 117–134
Morinaga, S., see Fukushima, K. et al. ..... 64(1/2): 169–179
Morinaga, S., see Fukushima, K. et al. ..... 76(1/2): 131–141
Moriyama, J., see Ohtani, E. et al. ..... 70(1/2): 147
Morley, N.H., Statham, P.J. and Burton, J.D., Trace metals in the western Indian Ocean ..... 70(1/2): 197
Morlotti, E., see Compagnoni, R. et al. ..... 77(3/4): 375–398
Morris, J.D., see Vallier, T.L. et al. ..... 91(3): 227–256
Morris, R.J., see Poutanen, E.-L. and Morris, R.J. ..... 51(1/2): 135–145
Morrison, J.O. and Brand, U., An evaluation of diagenesis and chemostratigraphy of Upper Cretaceous molluscs from the Canadian Interior Seaway ..... *72(3): 235–248
Morrison, J.O., see Brand, U. et al. ..... *65(2): 137–145
Morrison, M.A., see Thompson, R.N. and Morrison, M.A. ..... 68(1/2): 1– 15
Morrison, M.A., see Leat, P.T. et al. ..... 81(1/2): 23– 43
Morrison, P.D., see Brenninkmeijer, C.A.M. and Morrison, P.D. ..... *66(1/2): 21– 26
Morse, J.W. and Bender, M.L., Partition coefficients in calcite: An examination of factors influencing the validity of experimental results and their application to natural systems ..... 82(3/4): 265–277
Morse, J.W., see Kornicker, W.A. et al. ..... 53(3/4): 229–236
Morse, S.A., Element partitioning in mafic magmas ..... 70(1/2): 88
Morse, S.A., Partition coefficients for anorthosites ..... 70(1/2): 154
Morse, S.A., see Hamilton, M.A. et al. ..... 70(1/2): 71
Morteani, G., Möller, P. and Hoefs, J., Rare-earth element and oxygen isotope studies of altered Variscan granites: the western Harz (Germany) and southern Sardinia (Italy) ..... 54(1/2): 53– 68
Morton, J.L., see Vallier, T.L. et al. ..... 91(3): 227–256
Mortuza, G., see Kohn, S.C. et al. ..... 96(3/4): 399–409
Mosbah, M., see Metrich, N. et al. ..... 70(1/2): 177
Moser, H., see Forster, M. et al. ..... *79(4): 325–332
Moser, H., see Forster, M. et al. ..... *80(2): 179
Mosser, C., Petit, S., Parisot, J.-C., Decarreau, A. and Mestdagh, M., Evidence of Cu in octahedral layers of natural and synthetic kaolinites ..... 84(1/4): 281–282
Mosser, C., Brillanceau, A. and Besnus, Y., Relationship between sediments and their igneous source rocks using clay mineral multi-element chemistry: the Cenozoic lacustrine Anloua basin (Adamaoua, Cameroon) 90(3/4): 319–342
Mossman, D.J., see Greenough, J.D. et al. ..... *80(1): 17– 26
Mossmann, J.R., see Aplin, A.C. et al. ..... 70(1/2): 2

Mottana, A., *Eclogites and Eclogite-facies Rocks* by D.C. Smith (Editor) (Book Review) ..... 81(1/2): 164–165
Mouvier, G., see Carlier, P. et al. ..... 70(1/2): 102
Mouvier, G., see Quisefit, J.P. et al. ..... 70(1/2): 155
Mozeto, A.A., see Fritz, P. et al. ..... *58(1/2): 89– 95
Mucci, A., Canual, R. and Zhong, S., The solubility of calcite and aragonite in sulfate-free seawater and the seeded growth kinetics and composition of the precipitates at 25°C ..... 74(3/4): 309–320
Mucci, A., see Zhong, S. and Mucci, A. ..... 78(3/4): 283–299
Mudholkar, A.V., see Pattan, J.N. and Mudholkar, A.V. ..... 85(1/2): 171–181
Mudroch, A. and Mudroch, P., Environmental effects of gold mining activities in Canada ..... 70(1/2): 12
Mudroch, P., see Mudroch, A. and Mudroch, P. ..... 70(1/2): 12
Muecke, G.K., Elias, P. and Reynolds, P.H., Hercynian/Alleghanian overprinting of an Acadian terrane: $^{40}Ar/^{39}Ar$ studies in the Meguma zone, Nova Scotia, Canada ..... *73(2): 153–167
Muehlenbachs, K., see Dimitrakopoulos, R. and Muehlenbachs, K. ..... *65(3/4): 283–291
Mueller, P.A., see Hodell, D.A. et al. ..... *80(4): 291–307
Muir, I.J., Bancroft, G.M., MacRae, N.D. and Metson, J.B., Quantitative analyses of rare-earth elements in minerals by secondary ion mass spectrometry ..... 64(3/4): 269–278
Muir, T.L., see Corfu, F. and Muir, T.L. ..... *79(3): 183–200
Muir, T.L., see Corfu, F. and Muir, T.L. ..... *79(3): 201–223
Muller, J.-C., see Beauvais, A. et al. ..... 84(1/4): 25– 26
Muller, J.-C., see Freyssinet, Ph. et al. ..... 84(1/4): 58– 60
Muller, J.-P. and Calas, G., Paramagnetic centers in kaolinite and the history of weathering crusts ..... 84(1/4): 105–107
Muller, J.-P. and Boudeulle, M., Oxy-hydroxides geneses and their interrelationships with kaolinite in a laterite. Petrological implications ..... 84(1/4): 314–315
Muller, J.-P., see Clozel, B. et al. ..... 84(1/4): 259–261
Muller, J.-P., see Bernat, M. et al. ..... 84(1/4): 347–349
Muller, J.-P., see Boulange, B. et al. ..... 84(1/4): 350–351
Muller, J.-P., see Ildefonse, P. et al. ..... 84(1/4): 371–372
Muller, J.P. and Pagel, M., Petrological control of U–Th distribution in laterites ..... 70(1/2): 189
Muller, J.P., see Bokilo, J.F. et al. ..... 70(1/2): 124
Muller, J.P., see Calas, G. et al. ..... 84(1/4): 253–254
Müller, G., see Hoefs, J. et al. ..... *65(3/4): 311–319
Müller-Sohnius, D., see Horn, P. et al. ..... *58(3): 259–272
Mullis, J. and Stalder, H.A., Salt-poor and salt-rich fluid inclusions in quartz from two boreholes in northern Switzerland ..... 61(1/4): 263–272
Mullis, J., see Kosztolanyi, C. and Mullis, J. ..... 61(1/4): 19– 28
Munksgaard, N.C. and Zeck, H.P., Oxygen isotope systematics indicating large-scale circulation of fluids in granitic rocks from southwest Sweden ..... 51(3/4): 239–246
Münnich, K.O., see Bösinger, R. et al. ..... 70(1/2): 96
Münnich, K.O., see Dörr, H. and Münnich, K.O. ..... 70(1/2): 97
Münnich, K.O., see Born, M. et al. ..... 70(1/2): 101
Münnich, K.O., see Wagenbach, D. et al. ..... 70(1/2): 105
Münnich, K.O., see Beck, N. and Münnich, K.O. ..... 70(1/2): 168
Murad, E., see Stanjek, H. et al. ..... 84(1/4): 292–293
Muramatsu, Y. and Wedepohl, K.H., REE and selected trace elements in kimberlites from the Kimberley area (South Africa) ..... 51(3/4): 289–301
Murata, K., see Ogura, Y. et al. ..... 60(1/4): 259–271
Murowchick, J.B., see Coveney, Jr., R.M. et al. ..... 99(1/3): 101–114
Murphy, K.J.T., see Chester, R. et al. ..... 54(1/2): 1– 15
Murphy, W.M., Dislocations and feldspar dissolution: Theory and experimental data ..... 70(1/2): 163
Murphy, W.M., Oelkers, E.H. and Lichtner, P.C., Surface reaction versus diffusion control of mineral dissolution and growth rates in geochemical processes ..... 78(3/4): 357–380
Murray, F.H., see Kronberg, B.I. et al. ..... 68(3/4): 351–359
Murray, R.C., *Manual of Carbonate Sedimentology — A Lexicographical Approach* by T.H.A. Reijers aand K.J. Hsü (Editors) (Book Review) ..... 69(3/4): 359–360
Murty, S.V.S., Noble gases and nitrogen in natural gases from Gujarat, India ..... *94(3): 229–240
Musgrave, R., see Taylor, G. et al. ..... 84(1/4): 183–184
Myers, J.S., see Fletcher, I.R. et al. ..... *87(3/4): 197–216
Mysen, B.O., Interaction between water and melt in the system $CaAl_2O_4$–SiO_2–H_2O ..... 88(3/4): 223–243
Mysen, B.O., Iron and phosphorus in calcium silicate quenched melts ..... 98(3/4): 175–202
Mysen, B.O. and Virgo, D., Volatiles in silicate melts at high pressure and temperature, 1. Interaction between OH groups and Si^{4+}, Al^{3+}, Ca^{2+}, Na^{+} and H^{+} ..... 57(3/4): 303–331

Mysen, B.O. and Virgo, D., Volatiles in silicate melts at high pressure and temperature, 2. Water in melts along the join $NaAlO_2$–SiO_2 and a comparison of solubility mechanisms of water and fluorine ..... 57(3/4): 333–358
Mysen, B.O. and Frantz, J.D., Raman spectroscopy of silicate melts at magmatic temperatures: Na_2O–SiO_2, K_2O–SiO_2 and Li_2O–SiO_2 binary compositions in the temperature range 25–1475°C..... 96(3/4): 321–332

Nadeau, S., Pineau, F., Javoy, M. and Francis, D., Carbon concentrations and isotopic ratios in fluid-inclusion-bearing upper-mantle xenoliths along the northwestern margin of North America ..... 81(4): 271–297
Naeem, A., see Speer, J.A. et al. ..... 75(3): 153–181
Nagasawa, K. and Noro, H., Mineralogical properties of halloysites of weathering origin ..... 60(1/4): 145–149
Nagendra, R., see Malur, M.N. et al..... 70(1/2): 71
Nägler, Th.F., Gebauer, D., Schäfer, H.-J. and Von Quadt, A., Sm–Nd, Rb–Sr and Pb isotope geochemistry as an indicator for timing and nature of geotectonic events in the provenance of sedimentary rocks ..... 70(1/2): 72
Nagy, B., see Meyers, Ph.A. et al. ..... 99(1/3): 1007–1008
Nagy, K.L. and Lasaga, A.C., The effect of deviation from equilibrium on the kinetics of dissolution and precipitation of kaolinite and gibbsite ..... 84(1/4): 283–285
Nagy, K.L., see Steefel, C.I. et al..... 84(1/4): 322–325
Naha, K., Srinivasan, R., Gopalan, K., Subba Rao, M.V. and Pantulu, G.V.C., Evolution of early Precambrian peninsular Gneissic Complex, Dharwar Craton, India: Structural history and Rb–Sr geochronology ..... 70(1/2): 144
Nahon, D., see Ambrosi, J.P. and Nahon, D. ..... 57(3/4): 371–393
Nahon, D., see Walter, A.-V. et al..... 84(1/4): 378–380
Nair, N.G.K., Santosh, M. and Mahadevan, R., Lateritisation as a possible contributor to gold placers in Nilambur Valley, southwest India ..... 60(1/4): 309–315
Nakai, S.I. and Masuda, A., La–Ba dating of bastnaesite ..... 70(1/2): 12
Nakamura, E., Ishikawa, T., Birck, J.-L. and Allègre, C.J., Precise boron isotopic analysis of natural rock samples using a boron–mannitol complex ..... *94(3): 193–204
Nakamura, E., see Makishima, A. and Nakamura, E..... *94(1): 1– 11
Nakamura, E., see Makishima, A. and Nakamura, E..... *94(2): 105–110
Nakamura, Y., see Sano, Y. et al..... *52(1): 1– 8
Nakano, T., Yoshino, T. and Nishida, N., Rapid analytical method for trace Zn contents in some mafic minerals using the electron microprobe: Potential utility as a metallogenetic and petrogenetic indicator..... 89(3/4): 379–389
Naldrett, A.J. and Wilson, A.H., Horizontal and vertical variations in noble-metal distribution in the Great Dyke of Zimbabwe: A model for the origin of the PGE mineralization by fractional segregation of sulfide 88(3/4): 279–300
Naldrett, A.J., see Barnes, S.-J. et al..... 53(3/4): 303–323
Naqvi, S.M., see Uday Raj, B. et al..... 70(1/2): 146
Narayanaswamy and Ghosh, S.K., Lateritisation of gabbro-granophyre rock units of the Ezhimala Complex of north Kerala, India ..... 60(1/4): 251–257
Nardi, L.V.S. and Bonin, B., Post-orogenic and non-orogenic alkaline granite associations: The Saibro intrusive suite, southern Brazil — A case study ..... 92(1/3): 197–211
Nardi, S., see Scudeler Baccelle, L. and Nardi, S. ..... 93(3/4): 303–311
Narita, H., see Burnet, B. et al. ..... 70(1/2): 125
Nathan, Y., see Minster, T. et al. ..... 97(1/2): 145–161
Nazarov, M.A., see Shukolukov, Yu.A. et al. ..... 70(1/2): 121
Neagu, E.-A., see Pomârleanu, V. and Neagu, E.-A..... 61(1/4): 147–151
Neal, C., *A Eutrophic Lake* by T.D. Brock (Book Review)..... 62(3/4): 334–335
Neall, V.E., see Sipiera, P.P. et al..... 54(1/2): 17– 26
Needham, H.D., see Bougault, H. et al. ..... 70(1/2): 132
Negrel, Ph., Seimbille, F. and Allègre, C.J., Quantitative modelisation of differential erosion crystalline and sedimentary area of a French basin by isotopic analysis of strontium in river waters ..... 70(1/2): 13
Nehring, N.L., see Des Marais, D.J. et al. ..... 71(1/3): 159–167
Neiva, A.M.R., Geochemistry of white micas from Portuguese tin and tungsten deposits..... 63(3/4): 299–317
Neiva, A.M.R. and Gomes, M.E.P., Geochemistry of the granitoid rocks and their minerals from Lixa do Alvão–Alfarela de Jales–Tourencinho (Vila Pouca de Aguiar, northern Portugal) ..... 89(3/4): 305–327
Neiva, A.M.R., Neiva, J.M.C. and Silva, M.M.V.G., Geochemistry of gold quartz vein walls from Jales (northern Portugal) ..... 82(3/4): 217–251
Neiva, A.M.R., see Silva, M.M.V.G. and Neiva, A.M.R. ..... 85(1/2): 147–170
Neiva, J.M.C., see Neiva, A.M.R. et al..... 82(3/4): 217–251
Nelson, B.K. and Allègre, C.J., Comparative Pb isotope chronology of Precambrian crustal evolution in the West African craton (Man shield) and the Hoggar ..... 70(1/2): 203
Nelson, B.K. and Vidal, Ph. (Guest-Editors), Preface to Special Issue "Development of Continental Crust through Geological Time" ..... 83(3/4): ii
Nelson, D.E., see Brown, T.A. et al..... *52(3/4): 375–378

Nelson, D.M., see Smith, J.N. et al. ..... 63(1/2): 157–180
Nelson, D.R. and McCulloch, M.T., Petrogenic applications of the ^{40}K–^{40}Ca radiogenic decay scheme — A reconnaissance study ..... *79(4): 275–293
Nelson, H.F., see Koepnick, R.B. et al. ..... *58(1/2): 55– 81
Nelson, K.L., Geochemical evaluation of diagenetic processes in a deep-water carbonate ..... 64(3/4): 239–258
Neretnieks, I., Some uses for natural analogues in assessing the funtion of a HLW repository ..... 55(3/4): 175–188
Neri, R., see Bellanca, A. et al. ..... 61(1/4): 209–216
Neri, R., see Barbieri, M. et al. ..... *66(3/4): 273–278
Nesbitt, H.W., Metson, J.B. and Bancroft, G.M., Quantitative major- and trace-element whole-rock analyses by secondary-ion mass spectrometry using the specimen isolation technique ..... 55(1/2): 139–160
Nesbitt, H.W., see Kronberg, B.I. et al. ..... 54(3/4): 283–294
Nesbitt, H.W., see Kronberg, B.I. et al. ..... 60(1/4): 41– 49
Nesbitt, H.W., see Shotyk, W. and Nesbitt, H.W. ..... 84(1/4): 320–321
Nesbitt, R.W., see Sun, S.-S. et al. ..... 70(1/2): 148
Nesterova, E.N., see Kolokoltsev, V.G. et al. ..... 84(1/4): 86– 87
Newell, K.D., see Jenden, P.D. et al. ..... 71(1/3): 117–147
Nguyen, B.C., see Mihalopoulos, N. et al. ..... 70(1/2): 102
Nguyen, H.V., see Schmidt, S. et al. ..... 70(1/2): 124
Nguyen-Trung, C., Hovey, J.K. and Tremaine, P.R., Experimental determination of apparent and partial molar heat capacities and volumes of uranyl ions in $UO_2(ClO_4)_2$, $UO_2(NO_3)_2$, UO_2Cl_2 and UO_2SO_4 solutions from 10 to 55°C ..... 70(1/2): 190
Nguyen-Trung, C., Palmer, D., Begun, G.M. and Mesmer, R.E., UV-visible and Raman spectroscopic studies of the hydrolysis of the uranyl (VI) ion in neutral and basic solutions at 25°C, 0.1 MPa ..... 70(1/2): 190
Nicholls, I.A., Conrad, W.K. and Wall, V.J., Experimental melting of metaluminous and prealuminous crustal compositions at 1.0 GPa and a_{H_2O} = 0.25–1: The origins of contrasted silicic magmas and relationships to crustal evolution ..... 70(1/2): 72
Nicholls, I.A., see Barling, J. et al. ..... 70(1/2): 46
Nicholls, I.A., see Eberz, G.W. et al. ..... 85(1/2): 119–134
Nicholls, J.A., see Vukadinovic, D. et al. ..... 70(1/2): 54
Nicol, M., see Besson, J.M. et al. ..... 70(1/2): 60
Nicolas, E., see Lambert, C.E. et al. ..... 70(1/2): 11
Nicollet, C., see Dostal, J. et al. ..... 97(3/4): 199–218
Nielsen, B.L., see Laier, T. and Nielsen, B.L. ..... 76(3/4): 353–363
Nielsen, H., see Wakshal, E. and Nielsen, H. ..... 70(1/2): 204
Nielsen, M., see Besson, J.M. et al. ..... 70(1/2): 60
Nielsen, T.D.F., see Holm, P.M. et al. ..... 70(1/2): 49
Nielsen, T.F.D. and Buchardt, B., Sr–C–O isotopes in nephelinitic rocks and carbonatites, Gardiner Complex, Tertiary of east Greenland ..... 53(3/4): 207–217
Niese, S., see Hammer, J. et al. ..... 85(3/4): 345–360
Nieuwenhuyse, A., Formation of andosols in a chronosequence of andesitic ridges in Costa Rica ..... 84(1/4): 108–110
Nieva, D., see Cathelineau, M et al. ..... 76(3/4): 229–238
Nijampurkar, N., see Martin, J.-M. et al. ..... *94(3): 173–181
Nijampurkar, V.N. and Clausen, H.B., A century old record of lead-210 fallout on Greenland ice sheet ..... 70(1/2): 168
Nilsson, A.-C., see Grenthe, I. et al. ..... 98(1/2): 131–150
Nisbet, E.G., see Arndt, N.T. et al. ..... 70(1/2): 140
Nishida, N., see Nakano, T. et al. ..... 89(3/4): 379–389
Nishimura, S., see Tagami, T. et al. ..... *80(2): 159–169
Nishimura, S., see Shin, S.-C. and Nishimura, S. ..... *87(3/4): 147–166
Nixon, P.H., see Davies, G.R. et al. ..... 70(1/2): 47
Nni, J., see Nyobe, J.-B. and Nni, J. ..... 84(1/4): 114–115
Noack, Y., Mathieu, D., Claparols, C., Loubet, M., Bernat, M. and Goncalves, N., Weathering of basalts in north Parana Basin (Brazil): Chemical aspects ..... 84(1/4): 111–113
Noble, S.R., Lightfoot, P.C. and Schärer, U., A new method for single-filament isotopic analysis of Nd using in situ reduction ..... *79(1): 15– 19
Noe-Nygaard, N., $\delta^{13}C$-values of dog bones reveal the nature of changes in man's food resources at the Mesolithic–Neolithic transition, Denmark ..... *73(1): 87– 96
Nohda, S., Tatsumi, Y., Otofuji, Y. and Ishizaka, K., Asthenospheric injection and back-arc opening: isotopic evidence from northeast Japan ..... 68(3/4): 317–327
Nohda, S., see Tatsumi, Y. et al. ..... 68(3/4): 309–316
Nolan, J., see Watkins, P.J. and Nolan, J. ..... 95(1/2): 131–139

Nonie, S.E. and Randle, K., Cylindrical annular geometry in analysis by fast neutron inelastic scattering using an isotopic neutron source ..... *80(2): 101–107
Nordstrom, D.K., see Alpers, C.N. et al. ..... 96(1/2): 203–226
Norman, D.I. and Sawkins, F.J., Analysis of volatiles in fluid inclusions by mass spectrometry ..... 61(1/4): 1– 10
Norman, M.D. and Leeman, W.P., Open-system magmatic evolution of andesites and basalts from the Salmon Creek volcanics, southwestern Idaho, U.S.A. ..... 81(3): 167–189
Norman, M.D. and De Deckker, P., Trace metals in lacustrine and marine sediments: A case study from the Gulf of Carpentaria, northern Australia ..... 82(3/4): 299–318
Noro, H., see Nagasawa, K. and Noro, H. ..... 60(1/4): 145–149
Norry, M.J., see Storey, M. et al. ..... 70(1/2): 57
Norton, D.R., see Engleman, E.E. et al. ..... 53(1/2): 125–128
Noto, M., Kusakabe, M. and Kometani, M., $^{18}O/^{16}O$ ratio determination of framework oxygen of apophyllite and wairakite by the preferential isotopic exchange of their water of crystallization ..... *80(3): 231–241
Novikoff, A., see Tardy, Y. et al. ..... 84(1/4): 133–136
Nur, A., see Shemesh, A. et al. ..... *94(4): 307–314
Nutman, A.P., Taylor, P.N., Moorbath, S., Friend, C.R.I., Duke M.J.M., Baadsgaard, H. and McGregor, V.R., Lead isotopic signatures of Archaean terranes, Godthåb region, southern West Greenland ..... 70(1/2): 143
Nutman, A.P., see Gill, R.C.O. et al. ..... 70(1/2): 143
Nwachukwu, J.I. and Barker, C., Variations in kerogen densities of sediments from the Orinoco delta, Venezuela ..... 51(3/4): 193–198
Nyamweru, C.K., see Abell, P.I. and Nyamweru, C.K. ..... *72(4): 283–291
Nyobe, J.-B. and Nni, J., On the geology and geochemistry of the Fongo Tongo bauxite deposit — Bammbouto Mountains (Cameroon Line) ..... 84(1/4): 114–115
Nyquist, L.E., see Dasch, E.J. et al. ..... 70(1/2): 7

O'Hara, M.J., see Cohen, A.S. et al. ..... 70(1/2): 6
O'Hara, M.J., see Cohen, A.S. et al. ..... 70(1/2): 19
O'Neil, J.R. and Pickthorn, W.J., Single-mineral oxygen isotope thermometry ..... 71(4): 369
O'Neil, J.R., see Levy, S.S. and O'Neil, J.R. ..... 76(3/4): 321–326
O'Nions, R.K., Mechanisms of continent development ..... 70(1/2): 72
O'Nions, R.K., see Porcelli, D.R. et al. ..... 54(3/4): 237–249
O'Nions, R.K., see Frost, C.D. et al. ..... 55(1/2): 45– 50
O'Nions, R.K., see Galer, S.J.G. and O'Nions, R.K. ..... 56(1/2): 45– 61
O'Nions, R.K., see Miller, R.G. et al. ..... 57(1/2): 87– 99
O'Nions, R.K., see Porcelli, D.R. et al. ..... 64(1/2): 25– 33
O'Nions, R.K., see Burton, K.W. and O'Nions, R.K. ..... 70(1/2): 5
O'Nions, R.K., see Cohen, A.S. et al. ..... 70(1/2): 6
O'Nions, R.K., see Burton, K.W. et al. ..... 70(1/2): 13
O'Nions, R.K., see Cohen, A.S. et al. ..... 70(1/2): 19
O'Nions, R.K., see Griesshaber, E. et al. ..... 70(1/2): 37
O'Nions, R.K., see Martel, D.J. et al. ..... 70(1/2): 39
O'Nions, R.K., see Vance, D. and O'Nions, R.K. ..... 70(1/2): 82
O'Nions, R.K., see Galer, S.J.G. et al. ..... 75(4): 257–290
O'Nions, R.K., see Hilton, D.R. et al. ..... 88(1/2): 53– 67
O'Nions, R.K., see Martel, D.J. et al. ..... 88(3/4): 207–221
O'Nions, R.K., see Griesshaber, E. et al. ..... 99(4): 213–235
O'Reilly, S.Y., see Porcelli, D.R. et al. ..... 54(3/4): 237–249
Oakley, P.J., see Holland, J.G. et al. ..... 70(1/2): 204
Oberhaensli, R., see Stille, P. and Oberhaensli, R. ..... 70(1/2): 17
Oberhänsli, R., Hunziker, J.C., Martinotti, G. and Stern, W.B., Geochemistry, geochronology and petrology of Monte Mucrone: An example of Eo-alpine eclogitization of Permian granitoids in the Sesia–Lanzo Zone, Western Alps, Italy ..... *52(2): 165–184
Oberli, F., see Gieré, R. et al. ..... 70(1/2): 161
Ochiai, M., see Fukushima, K. et al. ..... 76(1/2): 131–141
Ockelmann, G.E.F. and Georgii, H.W., Atmospheric SO_2 measurements during the STRATOZ III experiment: Vertical profiles between 67°N and 60°S ..... 70(1/2): 102
Oddone, M., see Lopez Galindo, A. and Oddone, M. ..... 84(1/4): 169–172
Odermatt, J.R. and Curiale, J.A., Organically bound metals and biomarkers in the Monterey Formation of the Santa Maria Basin, California ..... 91(2): 99–113
Odin, G.S. (Guest-Editor), Preface to Special Issue "Calibration of the Phanerozoic Time Scale" ..... *59(2/3): iii
Odin, G.S., Recent advances in Phanerozoic time-scale calibration ..... *59(2/3): 103–110

Odin, G.S., *Méthodes de datation par les phénomènes nucléaires naturels* by É. Roth and P. Boty (Editors) (Book Review) ..... 69(3/4): 360–362
Odin, G.S., Hunziker, J.C., Jeppsson, L. and Spjeldnaes, N., Âges radiométriques K–Ar de biotites pyroclastiques sédimentées dans le Wenlock de Gotland (Suède). (Radiometric K–Ar ages of pyroclastic biotites deposited in the Wenlockian of Gotland (Sweden)) ..... *59(2/3): 117–125
Odin, G.S., Hurford, A.J., Morgan, D.J. and Toghill, P., K–Ar biotite data for Ludlovian bentonites from Great Britain ..... *59(2/3): 127–131
Odin, G.S., Hernandez, J. and Hunziker, J.C., Le volcanisme du "Biarritziano" de Vénétie (Italie): Ages K–Ar sur basalte, plagioclase et céladonites. (The volcanism of the "Biarritziano" of Venetia (Italy): K–Ar ages on basalt, plagioclase and celadonites) ..... *59(2/3): 171–180
Odin, G.S., Montanari, A., Deino, A., Drake, R., Guise, P.G., Kreuzer, H. and Rex, D.C., Reliability of volcano-sedimentary biotite ages across the Eocene–Oligocene boundary (Apennines, Italy) ..... *86(3): 203–224
Oelkers, E.H., see Murphy, W.M. et al. ..... 78(3/4): 357–380
Often, M., see Barnes, S.-J. and Often, M. ..... 70(1/2): 140
Ogbuji, L.U., see Oti, M.N. et al. ..... 76(3/4): 303–308
Ogura, Y. (Guest-Editor), Preface to Special Issue "Proceedings of An International Seminar on Laterite, October 14–17, 1985, Tokyo, Japan" ..... 60(1/4): viii
Ogura, Y., Murata, K. and Iwai, M., Relation between chemical composition and particle-size distribution of ores in the profile of nickeliferous laterite deposits of the Rio Tuba Mine, Philippines ..... 60(1/4): 259–271
Ohe, T., see Tsukamoto, M. and Ohe, T. ..... 90(1/2): 31– 44
Öhlander, B., Geochemical characteristics of granites associated with Proterozoic molybdenite mineralization in northern Sweden ..... 51(3/4): 247–263
Öhlander, B., Billström, K. and Hålenius, E., Geochemistry of the Proterozoic wolframite-bearing greisen veins and the associated granite at Rostberget, northern Sweden ..... 78(2): 135–150
Öhlander, B., see Skiöld, T. et al. ..... 69(3/4): 193–207
Ohmoto, H., see Poulson, S.R. and Ohmoto, H. ..... 85(1/2): 57– 75
Ohtani, E., Ultrahigh pressure melting of mantle materials and nature of chemical heterogeneity in the deep mantle ..... 70(1/2): 63
Ohtani, E., Moriyama, J. and Kawabe, I., Majorite garnet stability, and its implication for genesis of komatiite magmas ..... 70(1/2): 147
Ohtomo, Y., see Kuroda, Y. et al. ..... *58(4): 283–302
Okita, P.M. and Shanks III, W.C., Origin of stratiform sediment-hosted manganese carbonate ore deposits: Examples from Molango, Mexico, and TaoJiang, China ..... 99(1/3): 139–164
Okrougin, V.M., see Semet, M.P. et al. ..... 70(1/2): 56
Okrougin, V.M., see Fedotov, S.A. et al. ..... 70(1/2): 73
Okrusch, M., see Reinecke, T. et al. ..... 53(3/4): 249–278
Olade, M.A., see Akpanika, O.I. et al. ..... 63(1/2): 109–119
Oldershaw, A.E., see Beauchamp, B. et al. ..... *65(3/4): 391–413
Olivarez, A.M. and Owen, R.M., The europium anomaly of seawater: implications for fluvial versus hydrothermal REE inputs to the oceans ..... 92(4): 317–328
Olive, V., see Loubet, M. et al. ..... 70(1/2): 53
Oliver, R., see Benmoussa, L. et al. ..... 63(1/2): 121–132
Oliver, R.A., Vivier, G., Vittoz, P. and Robinson, S., Measurement of low elemental concentrations in geological materials by prompt gamma-ray spectoscopy ..... 70(1/2): 177
Oliver, R.L., see Sheraton, J.W. et al. ..... 85(3/4): 215–246
Olley, J.M., see Herczeg, A.L. et al. ..... 96(1/2): 19– 32
Olson, K.E., see Hamilton, M.A. et al. ..... 70(1/2): 71
Oltra, P.-H., see Parron, C. et al. ..... 84(1/4): 116–117
Onstott, T.C. and Phillips, D., Laser argon microprobe measurements of chlorine zonation in hydrous silicates 70(1/2): 80
Onstott, T.C., Phillips, D. and Pringle-Goodell, L., Laser microprobe measurement of chlorine and argon zonation in biotite ..... 90(1/2): 145–168
Onstott, T.C., see Kent, T.T. et al. ..... 70(1/2): 13
Onstott, T.C., see Phillips, D. and Onstott, T.C. ..... 70(1/2): 40
Oostindiër, J., Vriend, S.P., Den Baars, V. and Akkerman, J.H., Lithogeochemistry of jasper and jasperoid around the Sao Domingo massive sulphide mineralization in the Pyrite Belt, southern Portugal ..... 70(1/2): 136
Oostindiër, J., Vriend, S.P., Huijsmans, J.P.P. and Taufen, P.M., Weathered, Ni-sulfide ore-hosting and barren serpentinites in the Fortaleza de Minas greenstone belt, Minas Gerais, Brazil: A rock geochemical study . 81(3): 209–220
Orajaka, I.P., Geochemistry of Kaffo Valley albite–riebeckite–granite, Liruei Granite ring-complex, northern Nigeria ..... 56(1/2): 85– 92
Orciuolo, D., see Bruno, J. et al. ..... 70(1/2): 188
Ordoñez Delgado, S., see Bustillo Revuelta, M. et al. ..... 70(1/2): 5

Ordoñez, S., see Bustillo, M. et al. ... 97(3/4): 273–283
Orgeval, J.J., see Calvez, J.Y. and Orgeval, J.J. ... 70(1/2): 133
Orgeval, J.J., see Le Guen, M. et al. ... 70(1/2): 135
Ormerod, D.S., Rogers, N.W. and Hawkesworth, C.J., Use of the inverse modelling technique in determining the composition of the subcontinental lithosperic mantle ... 70(1/2): 154
Ormerod, D.S., see Ellam, R.M. et al. ... 70(1/2): 49
Orpen, J.L., see Moorbath, S. et al. ... 70(1/2): 145
Orpen, J.L., see Taylor, P.N. et al. ... *87(3/4): 175–196
Orrego, A., see Spadea, P. et al. ... 77(3/4): 303–321
Orsini, J.B., see Zorpi, M.J. et al. ... 92(1/3): 45– 86
Ortega Huertas, M., see Martínez Ruíz, F. et al. ... 95(3/4): 265–281
Osadetz, K.G., Snowdon, L.R. and Brooks, P.W., Ordovician petroleum source rocks and aspects of hydrocarbon generation in the Canadian portion of the Williston Basin ... 70(1/2): 13
Oskarsson, N., see Marty, B. et al. ... 91(3): 207–225
Oti, M.N., Geochemical and textural characterization of laterites of southeastern Nigeria ... 60(1/4): 63– 72
Oti, M.N., Ogbuji, L.U. and Breuer, K.-H., Diagenetic transformation of magnesium calcite in a monocrystalline rock-forming carbonate skeleton of an echinoderm ... 76(3/4): 303–308
Otofuji, Y., see Nohda, S. et al. ... 68(3/4): 317–327
Ott, U., see Alexander, C.M.O'D. et al. ... 70(1/2): 24
Otter, M.L., see Hart, R.J. et al. ... 83(3/4): 233–248
Ottesen, C., see Zeck, M.P. et al. ... 67(1/2): 141–153
Otto, J.B., Blank, W.K. and Dahl, D.A., A nitrate precipitation technique for preparing strontium for isotopic analysis ... *72(2): 173–179
Otto, J.B., see Koepnick, R.B. et al. ... *58(1/2): 55– 81
Ottolini, L., see Vannucci, R. et al. ... 92(1/3): 115–133
Otton, J.K., see Zielinski, R.A. et al. ... 62(3/4): 263–289
Oudin, E., see Calvez, H.Y. et al. ... 70(1/2): 133
Oustrière, P., see Bosch, B. et al. ... 55(1/2): 31– 44
Ouyang, J., see Gao, S. et al. ... 92(4): 261–282
Ovchinnikova, G.V. and Gorokhov, I.M., In memoriam Erich K. Gerling (1904–1985) (Obituary) ... *66(3/4): 179–180
Owen, J.V., see Greenough, J.D. and Owen, J.V. ... 98(3/4): 203–219
Owen, R.B., see Williams, T.M. and Owen, R.B. ... 89(1/2): 179–188
Owen, R.M., see Olivarez, A.M. and Owen, R.M. ... 92(4): 317–328
Oxburgh, see Griesshaber, E. et al. ... 99(4): 213–235
Oxburgh, E.R., see Griesshaber, E. et al. ... 70(1/2): 37
Oxburgh, E.R., see Martel, D.J. et al. ... 70(1/2): 39
Oxburgh, E.R., see Hilton, D.R. et al. ... 88(1/2): 53– 67
Oxburgh, E.R., see Martel, D.J. et al. ... 88(3/4): 207–221
Ozima, M., see Marty, B. et al. ... 91(3): 207–225

Pacca, I.G., see Bellieni, G. et al. ... 97(1/2): 9– 32
Paccagnella, A., see Petit, J.-C. et al. ... 70(1/2): 81
Paccagnella, A., see Magonthier, M.C. et al. ... 70(1/2): 162
Paccagnella, A., see Petit, J.-C. et al. ... 78(3/4): 219–227
Pacey, N.R., Organic matter in Cretaceous chalks from eastern England ... 75(3): 191–208
Page, R.W., see McCulloch, M.T. et al. ... 70(1/2): 71
Pagel, M., see Barres, O. et al. ... 70(1/2): 178
Pagel, M., see Landais, P. et al. ... 70(1/2): 185
Pagel, M., see Meyer, A.J. et al. ... 70(1/2): 186
Pagel, M., see Muller, J.P. and Pagel, M. ... 70(1/2): 189
Pagel, M., see Meunier, J.D. et al. ... 70(1/2): 189
Pagel, M., see Holliger, P. et al. ... *80(1): 45– 53
Pagel, M., see Meyer, A.J. et al. ... 84(1/4): 241–242
Pagel, M., see Moge, M. and Pagel, M. ... 84(1/4): 243–245
Pagel, M., see Ahamdach, N. et al. ... 84(1/4): 344–346
Pagel, M., see Braun, J.-J. and Pagel, M. ... 84(1/4): 357–359
Pagel, M., see Turpin, L. et al. ... *87(3/4): 217–230
Palacz, Z.A., Turner, P.J. and England, J., Development of new mass spectrometer systems for use in isotope geochronology ... 70(1/2): 177
Palacz, Z.A., see Rogers, N.W. et al. ... 70(1/2): 56
Palinkas, L.A., Fluid inclusion studies in Ljubija siderite mine in NW Bosnia (Yugoslavia) ... 70(1/2): 14

Palme, H., Evidence for condensation in CV-chondrites ... 70(1/2): 32
Palme, H., see Lodders, K. and Palme, H. ... 70(1/2): 53
Palmer, D., see Nguyen-Trung, C. et al. ... 70(1/2): 190
Palmer, M.R., Boron isotope systematics of hydrothermal fluids and tourmalines: A synthesis ... *94(2): 111–121
Palomo, I., see Martínez Ruíz, F. et al. ... 95(3/4): 265–281
Pandey, J., see Bhandari, N. et al. ... 70(1/2): 118
Pant, R.K., see Singhvi, A.K. et al. ... *65(1): 45– 56
Pant, R.K., see Singhvi, A.K. et al. ... *73(4): 307–317
Pantulu, G.V.C., see Naha, K. et al. ... 70(1/2): 144
Papezik, V.S., see Greenough, J.D. and Papezik, V.S. ... 53(1/2): 53– 70
Papezik, V.S., see Greenough, J.D. and Papezik, V.S. ... 54(3/4): 217–236
Paquet, H., see Freyssinet, Ph. et al. ... 84(1/4): 58– 60
Paquet, H., see Roquin, C. et al. ... 84(1/4): 124–127
Paquet, H., see Tardy, Y. et al. ... 84(1/4): 179–182
Paquette, J.L., Peucat, J.-J., Bernard-Griffiths, J. and Marchand, J., Evidence for old Precambrian relics shown by U–Pb zircon dating of eclogites and associated rocks in the Hercynian belt of south Britanny, France . ... *52(2): 203–216
Paraskevopoulos, G.M., see Economou-Eliopoulos, M. and Paraskevopoulos, G.M. ... 77(2): 149–158
Paris, F., see Dabard, M-P. and Paris, F. ... 55(1/2): 17– 29
Paris, F., see Peucat, J.J. et al. ... *59(2/3): 133–142
Paris, F., see Bonjour, J.L. et al. ... *72(4): 329–336
Parisot, J.-C., see Mosser, C. et al. ... 84(1/4): 281–282
Parker, W.C., Ragland, P.C. and Textoris, D.A., Controls on trace elements in the Ordovician Black River Group, New York, U.S.A. ... 53(1/2): 83– 94
Parneix, J.C. and Petit, J.C., Hydrothermal alteration of an old geothermal system in the Auriat granite (Massif Central, France): Petrological study and modelling ... 89(3/4): 329–351
Parneix, J.C., Beaufort, D., Dudoignon, P. and Meunier, A., Biotite chloritization process in hydrothermally altered granites ... 51(1/2): 89–101
Parnell, J., Metal enrichment in bitumens from Carboniferous-hosted ore deposits of the British Isles ... 99(1/3): 115–124
Parnell, J., Robinson, N. and Brassell, S., Discrimination of bitumen sources in Precambrian and Lower Palaeozoic rocks, southern U.K., by gas chromatography–mass spectrometry ... 90(1/2): 1– 14
Parnell, J., see Monson, B. and Parnell, J. ... 99(1/3): 125–137
Paropkari, A.L., Geochemistry of sediments from the Mangalore–Cochin shelf and upper slope off southwest India: Geological and environmental factors controlling dispersal of elements ... 81(1/2): 99–119
Parr, J.M., Rare-earth element distribution in exhalites associated with Broken Hill-type mineralisation at the Pinnacles deposit, New South Wales, Australia ... 100(1/2): 73– 91
Parra, M., Puechmaille, C., Dumon, J.C., Delmont, P. and Ferragne, A., Geochemistry of Tertiary alterite clay phases on the Iceland–Faeroe Ridge (northeast Atlantic), Leg *38*, Site *336* ... 54(1/2): 165–176
Parrish, R.R., An improved micro-capsule for zircon dissolution in U–Pb geochronolgy ... *66(1/2): 99–102
Parrish, R.R. and Krogh, T.E., Synthesis and purification of ^{205}Pb for U–Pb geochronolgy ... *66(1/2): 103–110
Parrish, R.R., see Roddick, J.C. et al. ... *66(1/2): 111–121
Parron, C. and Amouric, M., Crystallochemical heterogeneity of glauconites and the related problem of glauconite–celadonite distinction ... 84(1/4): 286–289
Parron, C., Simon, B., Oltra, P.-H. and Colin, F., Evidence of textural and chemical evolutive paths by means of image processing in weathering and diagenetic processes ... 84(1/4): 116–117
Parry, W.T., see Jewell, P.W. and Parry, W.T. ... 69(3/4): 245–265
Pascal, M.L., see Volfinger, M. and Pascal, M.L. ... 70(1/2): 165
Passerini, P. and Zan, L., Lithospheric compression flanking spreading axes: A reappraisal ... 77(3/4): 365–374
Pasteels, P., Kolios, N., Boven, A. and Saliba, E., Applicability of the K–Ar method to whole-rock samples of acid lava and pumice: case of the Upper Pleistocene domes and pyroclasts on Kos Island, Aegean Sea, Greece ... 57(1/2): 145–154
Patchett, P.J., see Ruiz, J. and Patchett, P.J. ... 70(1/2): 73
Patchett, P.J., see Ruiz, J. et al. ... 70(1/2): 137
Patry, G., see Kramer, J.R. et al. ... 84(1/4): 166–168
Pattan, J.N. and Appangoudar, S.M., Geochemical behaviour of trace elements during bauxite formation at Belgaum (Karnataka) and Yercaud (Tamil Nadu), India ... 69(3/4): 291–297
Pattan, J.N. and Mudholkar, A.V., The oxidation state of manganese in ferromanganese nodules and deep-sea sediments from the Central Indian Ocean ... 85(1/2): 171–181
Patterson, C.C., see Erel, Y. et al. ... 85(3/4): 383–392
Patterson, J.H., Mineralogy and chemistry over a cycle of oil shale deposition in the Brick Kiln Member, Rundle deposit, Queensland, Australia ... 68(3/4): 207–219

Patterson, J.H. and Henstridge, D.A., Comparison of the mineralogy and geochemistry of the Kerosene Creek Member, Rundle and Stuart oil shale deposits, Queensland, Australia ... 82(3/4): 319–339
Patterson, J.H., Ramsden, A.R., Dale, L.S. and Fardy, J.J., Geochemistry and mineralogical residences of trace elements in oil shales from Julia Creek, Queensland, Australia ... 55(1/2): 1– 16
Patterson, J.H., Ramsden, A.R. and Dale, L.S., Geochemistry and mineralogical residences of trace elements in oil shales from the Condor deposit, Queensland, Australia ... 67(3/4): 327–340
Paul, D.K., see Baksi, A.K. et al. ... 63(1/2): 133–141
Pauwels, H., Zuddas, P. and Michard, G., Behavior of trace elements during feldspar dissolution in near-equilibrium conditions: Preliminary investigation ... 78(3/4): 255–267
Pauwels, H., see Gaillard, J-F. et al. ... 63(1/2): 73– 84
Pavich, M.J., Characteristics, origin, and residence time of saprolite and soil of the Piedmont Upland, Virginia, U.S.A., and model testing using comogenic ^{10}Be ... 84(1/4): 15– 16
Pearce, I. and Jarvis, I., Geochemistry and provenance of North Atlantic Abyssal Plain sediments ... 70(1/2): 197
Pearce, J.A., Interpretation of trace element patterns in basalts using linear programming ... 70(1/2): 154
Pearce, J.A., see Holland, J.G. et al. ... 70(1/2): 204
Pearce, T., see Jarvis, I. et al. ... 70(1/2): 10
Pearson, D.G., see Davies, G.R. et al. ... 70(1/2): 47
Pearson, N.J., see Green, T.H. and Pearson, N.J. ... 54(3/4): 185–201
Pearson, N.J., see Green T.H. and Pearson, N.J. ... 55(1/2): 105–119
Peccerillo, A., On the origin of the Italian potassic magmas — Comments (Discussion) ... 85(1/2): 183–191
Peccerillo, A., Preface to Special Issue "Geochemistry of Granitoid Rocks" ... 92(1/3): vii
Peccerillo, A., see Francalanci, L. et al. ... *73(2): 109–124
Peccerillo, A., see Bellieni, G. et al. ... 92(1/3): 21– 43
Peccerillo, A., see Rottura, A. et al. ... 92(1/3): 153–176
Pece, R., see Allard, P. et al. ... 70(1/2): 2
Pechmann, E.V., see Carl, C. et al. ... 70(1/2): 133
Pedersen, A.K., see Holm, P.M. et al. ... 70(1/2): 49
Pedersen, S., see Jensenius, J. et al. ... *73(2): 97–107
Pedersen, T.F., Late Pleistocene carbon enrichments in the Panama basin: Frequency and cause ... 70(1/2): 111
Pedone, V.A., Cercone, K.R. and Burrus, R.C., Activators of photoluminescence in calcite: Evidence from high-resolution, laser-excited luminescence spectroscopy ... 88(1/2): 183–190
Pedroni, A., see Wieler, R. et al. ... 70(1/2): 26
Pegram, W.J., Chemical characteristics of continental lithospheric mantle as reflected by continental tholeiites ... 70(1/2): 54
Pegram, W.J., Luck, J.M. and Allègre, C.J., Osmium isotopic compositions from basalts ... 70(1/2): 55
Pegram, W.J., see Luck, J.M. et al. ... 70(1/2): 54
Pegram, W.J., see Reisberg, L. et al. ... 70(1/2): 202
Pelchat, J-C., see Hall, G.E.M. et al. ... 67(1/2): 35– 45
Pellas, P., Ordinary-chondrite-type asteroids in the main-belt: can we believe the zero abundance found by spectral studies from earth based telescopes? ... 70(1/2): 32
Pellas, P., see Lavielle, B. et al. ... 70(1/2): 25
Pellas, P., see Perron, C. et al. ... 70(1/2): 31
Peng, Z.C., Zartman, R.E., Futa, K. and Chen, D.G., Pb-, Sr- and Nd-isotopic systematics and chemical characteristics of Cenozoic basalts, eastern China ... *59(1): 3– 33
Penna Franca, E., see Lei, W. et al. ... 55(3/4): 313–322
Penven, M-J., see Mitchell, J.G. et al. ... *72(2): 111–126
Perch-Nielsen, K., see Tredoux, M. et al. ... 70(1/2): 121
Pereira, E.B., Radon-222 time series measurements in the Antarctic Peninsula ... 70(1/2): 103
Pereira, E.B., Atmospheric radon in the Amazon basin during the wet season ... 70(1/2): 103
Pereira, E.B., Hamza, V.M., Furtado, V.V. and Adams, J.A.S., U, Th and K content, heat production and thermal conductivity of São Paulo, Brazil, continental shelf sediments: A reconnaissance work ... *58(3): 217–226
Pereira, M.D., see Bea, F. and Pereira, M.D. ... 70(1/2): 3
Pernklau, E., *Optical Mineralogy* (2nd ed.) by D. Shelley (Book Review) ... 56(3/4): 335
Perron, C., Pellas, P., Marti, K. and Lavielle, B., Solar system ^{244}Pu/Nd ratios and thermal histories of parent bodies ... 70(1/2): 31
Perron, C., see Lavielle, B. et al. ... 70(1/2): 25
Perry, E.A., see Gieskes, J.M. et al. ... 63(1/2): 143–155
Pesek, J., see Klock, P.R. et al. ... 54(1/2): 157–163
Petersen, W., see Buttkewitz, A. et al. ... 70(1/2): 176
Peterson, M., see White, A.F. and Peterson, M. ... 84(1/4): 334–336
Pethybridge, A.D., see Howson, M.R. et al. ... 64(1/2): 79– 87
Petiau, J., see Calas, G. et al. ... 70(1/2): 172

Petit, J.-C. and Dran, J.-C., Use of ion beams as simulation and diagnosis tools in geochemistr ..... 70(1/2): 178
Petit, J.-C., Dran, J.-C., Della Mea, G. and Paccagnella, A., Dissolution mechanisms of silicate minerales yielded by intercomparison with glasses and radiation damage studies ..... 70(1/2): 81
Petit, J.-C., Dran, J.-C., Della Mea, G. and Paccagnella, A., Dissolution mechanisms of silicate minerals yielded by intercomparison with glasses and radiation damage studies ..... 78(3/4): 219–227
Petit, J.-C., see Dran, J.-C. et al. ..... 70(1/2): 126
Petit, J.C., see Berger, G. et al. ..... 70(1/2): 76
Petit, J.C., see Menager, M.T. et al. ..... 70(1/2): 136
Petit, J.C., see Magonthier, M.C. et al. ..... 70(1/2): 162
Petit, J.C., see Parneix, J.C. and Petit, J.C. ..... 89(3/4): 329–351
Petit, J.R., see Legrand, M. et al. ..... 70(1/2): 101
Petit, J-C., Dran, J-C., Schott, J. and Della Mea, G., New evidence on the dissolution mechanism of crystalline silicates by MeV ion beam techniques ..... 76(3/4): 365–369
Petit, S., see Mosser, C. et al. ..... 84(1/4): 281–282
Petitet, J.P., Petot, C. and Petot-Ervas, G., Influence of the pressure on the activity of PbO in an equimolar molten PbO–SiO_2 mixture ..... 62(1/2): 31– 34
Petot, C., see Petitet, J.P. et al. ..... 62(1/2): 31– 34
Petot-Ervas, G., see Petitet, J.P. et al. ..... 62(1/2): 31– 34
Petrini, R., see Piccirillo, E.M. et al. ..... 75(1/2): 103–122
Petrini, R., see Piccirillo, E.M. et al. ..... 89(1/2): 19– 48
Petrini, R., see Rottura, A. et al. ..... 92(1/3): 153–176
Petrini, R., see Bellieni, G. et al. ..... 97(1/2): 9– 32
Petrucci, E., Turi, B. and Sheppard, S.M.F., Stable isotope geochemistry of the metamorphic rocks at Larderello geothermal field: Preliminary results ..... 70(1/2): 164
Peucat, J.-J., see Paquette, J.L. et al. ..... *52(2): 203–216
Peucat, J.-J., see Bernard-Griffiths, J. et al. ..... *52(2): 217–225
Peucat, J.J., Paris, F. and Chalet, M., U–Pb zircon dating of volcanic rocks, close to the Silurian–Devonian boundary, from Vendée (western France) ..... *59(2/3): 133–142
Peucat, J.J., see Bonjour, J.L. et al. ..... *72(4): 329–336
Peuraniemi, V., The behaviour of the trace elements in the weathering crust in western Finnish Lapland .... 84(1/4): 118
Peyronneau, Poirier, J.P., see Guyot, F. and Peyronneau, Poirier, J.P. ..... 70(1/2): 61
Philippe, L., see Gaillard, J-F. et al. ..... 63(1/2): 73– 84
Philippe, L., see Gaillard, J.-F. et al. ..... 70(1/2): 115
Philippe, L., see Sarazin, G. et al. ..... 71(4): 369
Philippe, S. and Lancelot, J., U–Pb geochronological investigation of the Cigar Lake U ore deposit, Saskatchewan ..... 70(1/2): 135
Philips, D., Argon isotope and halogen chemistry of phlogopite South Africa kimberlites: a combined step-heating, laser probe, electron microprobe and TEM study ..... *87(2): 71– 98
Phillips, D. and Onstott, T.C., Argon isotopic systematics of mantle xenolith phases from the Premier kimberlite, South Africa ..... 70(1/2): 40
Phillips, D., see Onstott, T.C. and Phillips, D. ..... 70(1/2): 80
Phillips, D., see Onstott, T.C. et al. ..... 90(1/2): 145–168
Philp, R.P, see Pu, F. et al. ..... 93(1/2): 61– 78
Philp, R.P., see Glikson, M. et al. ..... 51(3/4): 175–191
Philp, R.P., see Chen, J.H. and Philp, R.P. ..... 91(2): 139–151
Philp, R.P., see Lawwongngam, K. and Philp, R.P. ..... 93(1/2): 129–146
Philpotts, J., Tatsumoto, M., Li, X. and Wang, K., Some Nd and Sr isotopic systematics for the REE-enriched deposit at Bayan Obo, China ..... 90(3/4): 177–188
Piboule, M., see Amossé, J. et al. ..... 81(1/2): 45– 53
Piccardo, G.B., see Beccaluva, L. et al. ..... 77(3/4): 165–182
Piccardo, G.B., see Vannucci, R. et al. ..... 92(1/3): 115–133
Piccarreta, G., see Rottura, A. et al. ..... 92(1/3): 153–176
Piccirillo, E.M., Civetta, L., Petrini, R., Longinelli, A., Bellieni, G., Comin-Chiaramonti, P., Marques, L.S. and Melfi, A.J., Regional variations within the Paraná flood basalts (southern Brazil): Evidence for subcontinental mantle heterogeneity and crustal contamination ..... 75(1/2): 103–122
Piccirillo, E.M., Bellieni, G., Cavazzini, G., Comin-Chiaramonti, P., Petrini, R., Melfi, A.J., Pinese, J.P.P., Zantedeschi, P. and De Min, A., Lower Cretaceous tholeiitic dyke swarms from the Ponta Grossa Arch (southeast Brazil): Petrology, Sr–Nd isotopes and genetic relationships with the Paraná flood volcanics ... 89(1/2): 19– 48
Piccirillo, E.M., see Iacumin, P. et al. ..... *86(3): 225–237
Piccirillo, E.M., see Bellieni, G. et al. ..... 97(1/2): 9– 32
Piccot, D., see Meyer, G. and Piccot, D. ..... 70(1/2): 176

Pichavant, M., Holtz, F., Barbey, P. and Johannes, W., H_2O solubility mechanisms in aluminosilicate melts: Inferences from phase relations in the Oz–Ab–Or system ..... 70(1/2): 88
Pichavant, M., Holtz, F. and McMillan, P.F., Phase relations and compositional dependence of H_2O solubility in quartz–feldspar melts ..... 96(3/4): 303–319
Pichavant, M., see Blamart, D. et al. ..... 70(1/2): 182
Pickering, W.F., see Slavek, J. and Pickering, W.F. ..... 51(3/4): 213–223
Pickthorn, W.J., see O'Neil, J.R. and Pickthorn, W.J. ..... 71(4): 369
Pidgeon, R.T., Kober, B. and Lippolt, H.J., Zircons older than 4 Ga, indicated by stepwise Pb-evaporation from single grains of a Jack Hills metaconglomerate (Western Australia) ..... 70(1/2): 145
Pidgeon, R.T., Wilde, S.A. and Shield, M., The distribution of 3.0 and 2.7 Ga volcanic episodes in the Archaean Yilgarn Block, Western Australia ..... 70(1/2): 147
Pierre, A., see Prinzhofer, A. et al. ..... 70(1/2): 178
Pierre, C., Isotopic evidence for the dynamic redox cycle of dissolved sulphur compounds between free and interstitial solutions in marine salt pans ..... 53(3/4): 191–196
Pierre, C. and Rouchy, J-M., Oxygen and sulfur isotopes in anhydrites from Givetian and Visean evaporites of northern France and Belgium ..... *58(3): 245–252
Pierre, C., see Boni, M. et al. ..... *72(3): 267–282
Pierson, C.T., see Zielinski, R.A. et al. ..... 62(3/4): 263–289
Pietersen, H.S., Van Herk, J. and Schuiling, R.D., Waste acid neutralization by reaction with a magnesium silicate ..... 70(1/2): 14
Pietersen, H.S., see Zuurdeeg, B.W. et al. ..... 70(1/2): 14
Pietersen, H.S., see Van Herk, J. et al. ..... 76(3/4): 341–352
Pilbeam, D.R., see Quade, J. et al. ..... *94(3): 183–192
Pillard, F., see Fouillac, A.M. et al. ..... 76(3/4): 271–289
Pillinger, C., see Alexander, C.M.O'D. et al. ..... 70(1/2): 24
Pillinger, C.T., see Mattey, D.P. et al. ..... 70(1/2): 11
Pillinger, C.T., see Franchi, I.A. et al. ..... 70(1/2): 24
Pillinger, C.T., see Grady, M.M. et al. ..... 70(1/2): 25
Pillinger, C.T., see Wright, I.P. et al. ..... 70(1/2): 27
Pillinger, C.T., see Boyd, S.R. and Pillinger, C.T. ..... 70(1/2): 46
Pillinger, C.T., see Prosser, S.J. et al. ..... 83(1/2): 71– 88
Pimentel, M.M. and Charnley, N., Intracrustal REE fractionation and implications for Sm–Nd model age calculations in late-stage granitic rocks: An example from central Brazil ..... *86(2): 123–138
Pin, C., Trace element and isotope geochemistry of the Brevenne Devonian Volcanics, Massif Central (France): A subduction-related bimodal suite in the Variscan Belt ..... 70(1/2): 14
Pin, C. and Duthou, J.L., Origin of the Variscan granitoids from the French Massif Central: A Sr, Nd isotopic study ..... 70(1/2): 68
Pin, C. and Duthou, J.-L., Sources of Hercynian granitoids from the French Massif Central: Inferences from Nd isotopes and consequences for crustal evolution ..... 83(3/4): 281–296
Pinarelli, L., Geochemical and isotopic (Sr, Pb) evidence of crust–mantle interaction in acidic melts — The Tolfa–Cerveteri–Manziana volcanic complex (central Italy): case history ..... 92(1/3): 177–195
Pinarelli, L., see Rottura, A. et al. ..... 92(1/3): 153–176
Pineau, F., Characterization and isotopic composition of fluid inclusions in peridotite nodules ..... 70(1/2): 55
Pineau, F., see Agrinier, P. et al. ..... *52(2): 145–162
Pineau, F., see Javoy, M. et al. ..... 57(1/2): 41– 62
Pineau, F., see Doublet, P. et al. ..... 70(1/2): 48
Pineau, F., see Nadeau, S. et al. ..... 81(4): 271–297
Pineau, F., see Marty, B. et al. ..... 91(3): 207–225
Pinese, J.P.P., see Piccirillo, E.M. et al. ..... 89(1/2): 19– 48
Pinto Da Selva, E., see Benedetti, M. et al. ..... 84(1/4): 27– 30
Piper, D.Z., Geochemistry of a Tertiary sedimentary phosphate deposit: Baja California Sur, Mexico ..... 92(4): 283–316
Pirc, S. and Rose, A.W., The abundance and distribution of antimony in red-beds of the Devonian Catskill Formation, eastern Pennsylvania, U.S.A. ..... 85(3/4): 321–328
Piriou, B., see D'Arco, Ph. et al. ..... 70(1/2): 159
Pironon, J. and Barres, O., FT-IR microanalysis of hydrocarbon fluid inclusions ..... 84(1/4): 224–226
Pironon, J., see Barres, O. et al. ..... 70(1/2): 178
Pironon, J., see Holliger, P. et al. ..... *80(1): 45– 53
Pironon, J., see Meyer, A.J. et al. ..... 84(1/4): 241–242
Plafker, G., see Barker, F. et al. ..... 75(1/2): 81–102
Plank, T., see Langmuir, C.H. and Plank, T. ..... 70(1/2): 153
Plant, J.A., see Hall, G.E.M. and Plant, J.A. ..... 95(1/2): 141–156

Plant, J.A., see Hall, G.E.M. and Plant, J.A. ..... 95(1/2): 157–165
Pocovi, A., see Lago, M. et al. ..... 70(1/2): 156
Podolske, J.R., see Loewenstein, M. et al. ..... 71(4): 367
Podosek, F.A. (Guest-Editor), Preface to Special Issue "Terrestrial Noble Gases" ..... *52(1): vii
Poe, B.T., McMillan, P.F., Angell, C.A. and Sato, R.K., Al and Si coordination in SiO_2–Al_2O_3 glasses and liquids: A study by NMR and IR spectroscopy and MD simulations ..... 96(3/4): 333–349
Poe, B.T., see McMillan, P.F. et al. ..... 96(3/4): 351–366
Poirier, J.P., Melting curve of magnesium silicate perovskite ..... 70(1/2): 63
Poirier, J.P., see Andrault, D. et al. ..... 70(1/2): 60
Poisson, A., see Mantisi, F and Poisson, A. ..... 70(1/2): 110
Poisson, A., see Metzl, N. et al. ..... 70(1/2): 197
Polanco, J., see Kettler, R.M. et al. ..... 99(1/3): 29– 50
Poli, G. and Tommasini, S., A geochemical approach to the evolution of granitic plutons: a case study, the acid intrusions of Punto Falcone (northern Sardinia, Italy) ..... 92(1/3): 87–105
Poli, G., see Crisci, G.M. et al. ..... 78(1): 15– 33
Poli, G., see Bellieni, G. et al. ..... 92(1/3): 21– 43
Poli, S., Pre-Hercynian magmatism in the eastern Alps: Petrogenesis of metabasites from the Austroalpine basement ..... 70(1/2): 15
Polian, G., see Heimann, M. et al. ..... 70(1/2): 98
Polian, G., see Gaudry, A. et al. ..... 70(1/2): 98
Polizzano, C., see Andretta, D. et al. ..... 70(1/2): 124
Pollastri, A., see Aravena, R. et al. ..... *79(1): 83– 91
Pollock, J.M., see Cummings, M.L. et al. ..... 75(1/2): 61– 79
Polyak, B.G. and Tolstikhin, I.N., Isotopic composition of the Earth's helium and the problem of the motive forces of tectogenesis ..... *52(1): 9– 33
Pomârleanu, V. and Neagu, E.-A., Significance of fluid inclusions for determining the temperature gradients of hydrothermal solutions and their application to metallogenesis ..... 61(1/4): 147–151
Pomper, A.B., Human influence on groundwater quality in a sandy region with multiple land use ..... 76(3/4): 371–383
Ponader, C.W., see Brown, Jr., G.E. et al. ..... 70(1/2): 86
Pontér, C., Ingri, J., Burman, J.-O. and Boström, K., Temporal variations in dissolved and suspended iron and manganese in the Kalix River, northern Sweden ..... 81(1/2): 121–131
Pontér, C., see Ingri, J. and Pontér, C. ..... 56(1/2): 105–116
Poorter, R.P.E., Varekamp, J.C., Van Bergen, M.J., Kreulen, R., Sriwana, T., Vroon, P.Z. and Wirakusumah, A.D., The Sirung volcanic boiling spring: An extreme chloride-rich, acid brine on Pantar (Lesser Sunda Islands, Indonesia) ..... 76(3/4): 215–228
Poorter, R.P.E., see Zuurdeeg, B.W. et al. ..... 70(1/2): 14
Popp, R.K., see Frantz, J.D. et al. ..... 98(3/4): 237–255
Porcelli, D.R., O'Nions, R.K. and O'Reilly, S.Y., Helium and strontium isotopes in ultramafic xenoliths ..... 54(3/4): 237–249
Porcelli, D.R., Stone, J.O.H. and O'Nions, R.K., Enhanced $^3He/^4He$ ratios and cosmogenic helium in ultramafic xenoliths ..... 64(1/2): 25– 33
Poreda, R.J., Jeffrey, A.W.A., Kaplan, I.R. and Craig, H., Magmatic helium in subduction-zone natural gases 71(1/3): 199–210
Poreda, R.J., see Abrajano, T.A. et al. ..... 71(1/3): 211–222
Porritt, P.M., see Whitford, D.J. et al. ..... 68(1/2): 105–119
Porter, E.W. and James, W.C., Influence of pressure, salinity, temperature and grain size on silica diagenesis in quartzose sandstones ..... 57(3/4): 359–369
Porter, E.W. and James, W.C., Influence of pressure, salinity, temperature and grain size on silica diagenesis in quartzose sandstones (Erratum) ..... 63(3/4): 360
Posey, H.H. and Kyle, J.R. (Guest-Editors), Preface to Special Issue "Fluid–Rock Interactions in the Salt Dome Environment" ..... 74(1/2): vii
Posey, H.H. and Kyle, J.R., Fluid–rock interactions in the salt dome environment: An introduction and review 74(1/2): 1– 24
Posey, H.H., see Prikryl, J.D. et al. ..... 74(1/2): 67– 97
Posey, H.H., see Saunders, J.A. et al. ..... 74(1/2): 137–152
Potts, P.J. and Tindle, A.G., Autoradiography by X-ray-excited optical luminescence (XEOL): Application to scheelite and fluorite mineralisation ..... 83(1/2): 39– 45
Potts, P.J., Wright, D.W., Watson, J.S. and Webb, P.C., Calculation of calibration line parameters from reference material data in the analysis of silicate rocks: Theil's incomplete method compared with least-squares regression ..... 63(3/4): 345–354
Potts, P.J., Dupuy, C. and Bowles, J.F.W. (Guest-Editors), Introduction to Special Issue "Microanalytical Methods in Mineralogy and Geochemistry" ..... 83(1/2): vi
Poty, B., see Dubessy, J. and Poty, B. ..... 70(1/2): 78
Poulin, M., see Lafforgue, M. and Poulin, M. ..... 71(4): 368

Poulson, S.R. and Ohmoto, H., An evaluation of the solubility of sulfide sulfur in silicate melts from experimental data and natural samples ... 85(1/2): 57– 75
Poutanen, E.-L. and Morris, R.J., Humic substances in an Arabian Shelf sediment and the S_1 sapropel from the Eastern Mediterranean ... 51(1/2): 135–145
Powell, M., see Leonardos, O.H. et al. ... 60(1/4): 111–119
Powell, M.A., see Wiese, Jr., R.G. et al. ... 63(1/2): 29– 38
Powell, M.D. and Kyser, T.K., Analysis of $\delta^{13}C$ and $\delta^{18}O$ in calcite, dolomite, rhodochrosite and siderite using a laser extraction system ... *94(1): 55– 66
Pozo, M., Leguey, S. and Medina, J.A., Sepiolite and palygorskite genesis in carbonate lacustrine environments (Duero Basin, Spain) ... 84(1/4): 290–291
Pozzuoli, A., see Caballero, E. et al. ... 89(3/4): 353–358
Pracejus, B., Varga, R.A., Madgwick, J.C., Frakes, L.A. and Bolton, B.R., Effects of mineral composition on microbiological reductive leaching of manganese oxides ... 88(1/2): 143–149
Pratt, L.M., see Meyers, Ph.A. et al. ... 99(1/3): 1007–1008
Prause, B., see Halbach, P. et al. ... 76(1/2): 95–106
Preiss, I.L., see Sternbach, C.A. et al. ... 51(3/4): 165–174
Price, F.T. and Shieh, Y.N., Correlation between the $\delta^{34}S$ of pyritic and organic sulfur in coal and oil shale ... *58(4): 333–337
Price, G.D. and Wright, K., Computer simulation of defects in magnesium silicate perovskite ... 70(1/2): 64
Price, G.D., see Madon, M. and Price, G.D. ... 70(1/2): 62
Price, N.B., Ali Khan, A. and Schimmield, G.B., Moonsonal climate and palaeoproductivity of the northern Arabian Sea during Late Quaternary ... 70(1/2): 111
Price, R.C., Gray, C.M., Wilson, R.E., Frey, F.A. and Taylor, S.R., The effects of weathering on rare-earth element, Y and Ba abundances in Tertiary basalts from southeastern Australia ... 93(3/4): 245–265
Prikryl, J.D., Posey, H.H. and Kyle, J.R., A petrographic and geochemical model for the origin of calcite cap rock at Damon Mound salt dome, Texas, U.S.A. ... 74(1/2): 67– 97
Prikryl, J.D., see Saunders, J.A. et al. ... 74(1/2): 137–152
Pringle-Goodell, L., see Onstott, T.C. et al. ... 90(1/2): 145–168
Prinzhofer, A., Allègre, C.J. and Pierre, A., Improvement of the analytical technique LIDIA (Large Isotope Dilution Ion Probe Analyses) ... 70(1/2): 178
Prosperi, M., see Brondi, M. et al. ... 70(1/2): 8
Prospero, J., see Grousset, F.E. et al. ... 70(1/2): 196
Prosser, S.J., Wright, I.P. and Pillinger, C.T., A preliminary investigation into the isotopic measurement of carbon at the picomole level using static vacuum mass spectrometry ... 83(1/2): 71– 88
Provost, A., An improved diagram for isochron data ... *80(2): 85– 99
Provost, A., see Soulard, H. et al. ... 96(3/4): 459–477
Prudencio, M.I., Sequeira-Braga, M.A. and Cabral, J.M.P., Basalts weathering in the Lisbon volcanic complex (Portugal) ... 84(1/4): 119–121
Prudencio, M.I., Abreu, M.M., Waerenborgh, J.C. and Cabral, J.M.P., The mineralogy and chemistry of a hydrothermal veinlet intruded into a gabbroic rock alteration profile (Serpa, Portugal) ... 84(1/4): 246–248
Prudencio, M.I., see Marques, M. et al. ... 84(1/4): 176–178
Przybylowicz, W., Schwarcz, H.P. and Latham, A.G., Dirty calcites, 2. Uranium-series dating of artificial calcite–detritus mixtures ... *86(2): 161–178
Pu, F., Philp, R.P, Zhenxi, L., Xinke, Y. and Guangguo, Y., Biomarker distributions in crude oils and source rocks from different sedimentary environments ... 93(1/2): 61– 78
Puchelt, H., see Schorin, H. and Puchelt, H. ... 64(1/2): 127–142
Puechmaille, C., see Parra, M. et al. ... 54(1/2): 165–176
Puglisi, C., see Kleiman, L.E. et al. ... 97(3/4): 251–264
Puk, R., see Wolf, M. et al. ... 76(3/4): 291–301
Pupin, J.P., see Gagnol. I. and Pupin, J.P. ... 70(1/2): 8
Purcell, F.J., see Bates, J.K. et al. ... 51(1/2): 79– 87
Purtscheller, F., see Mogessie, A. et al. ... 51(1/2): 103–113
Puteanus, D. and Halbach, P., Correlation of Co concentration and growth rate — a method for age determination of ferromanganese crusts ... 69(1/2): 73– 85
Puteanus, D., see Halbach, P. et al. ... 76(1/2): 95–106
Püttmann, W., see Bechtel, A. and Püttmann, W. ... 91(1): 1– 18
Puustinen, K., *Geology and Metallogeny of Copper Deposits* by G.H. Freidrich, A.D. Genkin, A.J. Naldrett, J.D. Ridge, R.H. Sillitoe and F.M. Vokes (Editors) (Book Review) ... 69(3/4): 362–363
Pyle, D.M. and Ivanovich, M., Crystal cannibalisation, crustal contamination and the petrogenesis of arc magmas ... 70(1/2): 129

Quade, J., Cerling, T.E., Barry, J.C., Morgan, M.E., Pilbeam, D.R., Chivas, A.R., Lee-Thorp, J.A. and Van der Merwe, N.J., A 16-Ma record of paleodiet using carbon and oxygen isotopes in fossil teeth from Pakistan *94(3): 183–192
Quade, J., see Cerling, T.E. and Quade, J. 84(1/4): 164–165
Quadt, A. and Gebauer, D., Sm/Nd-, U–Pb- and Rb–Sr dating of high-pressure ultramafic to felsic rocks from the Moldanubian area of NE Bavaria (FRG) and the Saxonian Granulite Massif (GDR) 70(1/2): 15
Quarantotto, G., see Guerzoni, S. et al. 70(1/2): 115
Quetel, C., see Buat-Menard, P. et al. 70(1/2): 194
Quienne, P., see Bottero, J.-Y. et al. 84(1/4): 308–310
Quinif, Y., see Cantillana, R. et al. 57(1/2): 137–144
Quinif, Y., see Magnin, F. et al. 84(1/4): 173–175
Quirk, D.G. and Raynor, J.B., Electron resonance spectroscopic evidence for the conditions and sequence of calcite mineralisation in Wall Shaft Mine, Derbyshire, Great Britain 95(3/4): 299–311
Quirke, J.M.E., see Concha, M.A. et al. 91(2): 153–168
Quirke, J.M.E., see Stanley, K.D. et al. 91(2): 169–183
Quirke, J.M.E., see Beato, B.D. et al. 91(2): 185–192
Quisefit, J.P., Toutain, J.P. and Mouvier, G., On a thermodynamical model, adpopted for the condensation of gaseous volcanic emissions 70(1/2): 155
Quisefit, J.P., see Toutain, J.P. et al. 70(1/2): 155
Qureshi, R.M., see Fritz, P. et al. *79(2): 99–105

Raab, M. and Spiro, B., Sulfur isotope variations during seawater evaporation with fractional crystallization . *86(4): 323–333
Rabouille, C., see Gaillard, J.-F. et al. 70(1/2): 115
Rabouille, C., see Sarazin, G. et al. 71(4): 369
Radke, M., Welte, D.H. and Willsch, H., Distribution of alkylated aromatic hydrocarbons and dibenzothiophenes in rocks of the Upper Rhine Graben 93(3/4): 325–341
Rafalska-Bloch, J., see Standen, G. et al. 91(4): 297–313
Ragland, P.C., see Parker, W.C. et al. 53(1/2): 83– 94
Ragland, P.C., see Defant, M.J. and Ragland, P.C. 67(3/4): 197–208
Ragnarsdottir, V., see Dupré, B. et al. 70(1/2): 48
Råheim, A., see Smalley, P.C. et al. *65(3/4): 223–233
Råheim, A., see Smalley, P.C. et al. 70(1/2): 17
Rahmani, A., see Maluski, H. et al. *80(3): 193–217
Raimbault, L., Mineral/fluid partition coefficients and kinetics: a statistical physics approach 70(1/2): 155
Raimbault, L., see Joron, J.L. and Raimbault, L. 98(3/4): 327–331
Raisbeck, G.M., Yiou, F., Bourles, D. and Zhou, Z.S., Limits on cosmic ray variability during the past 9 My as deduced from $^{10}Be/^{9}Be$ in a marine sediment core 70(1/2): 120
Raisbeck, G.M., Yiou, F., Zhiou, S.Z. and Koeberl, C., ^{10}Be in Irghizite tektites and Zhamanshinite impact glasses 70(1/2): 120
Raisbeck, G.M., see Zhiou, S.Z. et al. 70(1/2): 111
Raisbeck, G.M., see Bourles, D. et al. 70(1/2): 111
Raisbeck, G.M., see Yiou, F. and Raisbeck, G.M. 70(1/2): 169
Raisbeck, G.M., see Yiou, F. et al. 70(1/2): 178
Raisbeck, G.M., see Bernat, M. et al. 84(1/4): 347–349
Raiswell, R., see Canfield, D.E. et al. 54(1/2): 149–155
Rajagopalan, G., see Baskaran, M. et al. *79(1): 65– 82
Rajagopalan, G., see Baskaran, M. et al. *86(2): 183–186
Rajamani, V., Shirey, S.B. and Hanson, G.N., Origin of tholeiittes from the Archean Kolar schist belt, South India 70(1/2): 147
Rajendran, A., Kumar, M.D. and Bakker, J.F., Control of manganese and iron in Skagerrak sediments (northeastern North Sea) 98(1/2): 111–129
Ramanaidou, E., see Kibonzi Kouyela, B. and Ramanaidou, E. 70(1/2): 145
Ramesh, R., Subramanian, V., Van Grieken, R. and Van 't Dack, L., The elemental chemistry of sediments in the Krishna River basin, India 74(3/4): 331–341
Ramirez, A., see Tosiani, D.T. et al. 84(1/4): 137–138
Ramirez, A., see Yanes, C. and Ramirez, A. 84(1/4): 153–154
Ramirez, A.J., Chemical weathering on the Tuy river basin, Venezuela 84(1/4): 122–123
Ramm, K., see Forster, M. et al. *79(4): 325–332
Ramm, K., see Forster, M. et al. *80(2): 179
Rammensee, W. and Fraser, D.G., The effects of changing Si/Al ratio on the mixing of melts in the system $NaAlSiO_4$–$KAlSiO_4$–SiO_2 62(1/2): 103–110
Rammensee, W., see Roselieb, K. et al. 96(3/4): 241–266

Ramola, R.C., Sandhu, A.S., Singh, S. and Virk, H.S., Geochemical exploration of uranium using radon measurement techniques ..... 70(1/2): 190
Rampazzo, G., see Guerzoni, S. et al. ..... 70(1/2): 115
Ramsden, A.R., see Patterson, J.H. et al. ..... 55(1/2): 1– 16
Ramsden, A.R., see Patterson, J.H. et al. ..... 67(3/4): 327–340
Ramsey, M.H. and Coles, B.J., Strategies of multielement calibration for maximising the accuracy of geochemical analysis by inductively coupled plasma–atomic emission spectrometry ..... 95(1/2): 99–112
Randle, K., see Croudace, I.W. and Randle, K. ..... 67(1/2): 165–170
Randle, K., see Nonie, S.E. and Randle, K. ..... *80(2): 101–107
Rands, P.N., see Mitchell, J.G. et al. ..... *79(1): 49– 64
Ranganathan, V. and Hanor, J.S., Density-driven groundwater flow near salt domes ..... 74(1/2): 173–188
Ranganathan, V. and Hanor, J.S., Density-driven groundwater flow near salt domes (Erratum) ..... 75(4): 351
Rangarajan, C. and Eapen, C.D., The use of natural radioactive tracers in a study of atmosphere residence times ..... 70(1/2): 103
Rankin, P., see Whitehead, N.E. et al. ..... *94(4): 247–260
Rao, K.S., see Raymahashay, B.C. et al. ..... 60(1/4): 327–330
Rapp, J.B., A statistical approach to the interpretation of aliphatic hydrocarbon distributions in marine sediments ..... 93(1/2): 163–177
Rapp, J.B., see Kvenvolden, K.A. et al. ..... 93(1/2): 101–110
Rasmussen, R.A., see Khalil. M.A.K. and Rasmussen, R.A. ..... 70(1/2): 99
Rasmussen, R.A., see Khalil, M.A.K. and Rasmussen, R.A. ..... 71(4): 367
Rautenschlein, M., see Vallier, T.L. et al. ..... 91(3): 227–256
Raveh, A., see Minster, T. et al. ..... 97(1/2): 145–161
Ravi Kumar, T.V., see Balasubramaniam, K.S. et al. ..... 60(1/4): 227–235
Ravizza, G., see Turekian, K.K. et al. ..... 84(1/4): 343
Ravizza, G.E., see Turekian, K.K. et al. ..... 71(4): 370
Rawson, S.A., see Lane, D.L. et al. ..... 76(3/4): 327–340
Ray, S.L., Saha, A.K., Sarkar, S.N. and Sarkar, S.S., Rare earth element distributions in the early Archaean rocks of the Singhbhum–Orissa iron ore craton, eastern India ..... 70(1/2): 148
Raymahashay, B.C., Rao, K.S., Mehta, V.K. and Bhavana, P.R., Mineralogy and geochemistry of lateritic soil profiles in Kerala, India ..... 60(1/4): 327–330
Raynor, J.B., see Quirk, D.G. and Raynor, J.B. ..... 95(3/4): 299–311
Reardon, E.J., see Fritz, P. et al. ..... *58(1/2): 89– 95
Reaves, C.M., see Canfield, D.E. et al. ..... 54(1/2): 149–155
Reddy, G.R., see Shankar, R. et al. ..... 63(3/4): 217–223
Reed, Jr., G.W., see Jovanovic, S. and Reed, Jr., G.W. ..... *80(3): 181–191
Reed, S.J.B., Recent developments in geochemical microanalysis ..... 83(1/2): 1– 9
Reeder, R.J., The influence of growth mechanism and surface struture on the partitioning of trace elements into minerals: Examples from carbonate minerals ..... 84(1/4): 305
Reeves, D.K., see Kopp, O.C. et al. ..... 81(4): 337–347
Reeves, R.D., see Sipiera, P.P. et al. ..... 54(1/2): 17– 26
Reeves, R.D., see Wilson, S.M. et al. ..... 75(4): 305–310
Reeves, R.D., see Hoashi, M. et al. ..... 98(1/2): 1– 10
Regan, E.C. and Siegel, F.R., Mineral–water interactions of estuarine clastics in a zone of mixing between fresh and marine groundwater, Parque de Donana, Spain ..... 70(1/2): 17
Regba, M. and Loubet, M., Peridotites and wherlites with original characteristics in the transition zone of the Semail ophiolite (Oman). Implications concerning the partial melting dynamics of the mantle at oceanic ridges ..... 70(1/2): 53
Régeard, A., see Bourrié, G. et al. ..... 76(3/4): 403–417
Reid, D.L. and Cooper, A.F., Oxygen and carbon isotope patterns in the Dicker Willem carbonatite complex, southern Namibia ..... *94(4): 293–305
Reimer, T., *Phosphate Deposits of the World, 1*, by P.J. Cook and J.H. Sherhold (Editors) (Book Review) ..... 77(2): 160–161
Reinecke, T., Okrusch, M. and Richter, P., Geochemistry of ferromanganoan metasediments from the Island of Andros, Cycladic Blueschist Belt, Greece ..... 53(3/4): 249–278
Reisberg, L. and Zindler, A., Two mechanisms for creating large isotopic variations in the upper mantle: Examples from the Ronda Ultramafic Complex ..... 70(1/2): 55
Reisberg, L., Luck, J.-M., Pegram, W.J. and Allègre, C.J., Osmium isotopic systematics of the Ronda Ultramafic Complex ..... 70(1/2): 202
Reissel, A., The long-term trends of Pb-210 in relation to particle-bound sulphur in surface air in Finland ..... 70(1/2): 103
Remoudaki, E., see Buat-Menard, P. et al. ..... 70(1/2): 194
Remsberg, A.R., see Liebermann, R.C. et al. ..... 70(1/2): 62

Renard, M., see Turpin, L. et al. ... 70(1/2): 121
Reusser, E., see Von Blanckenburg, F. et al. ... 70(1/2): 4
Reutel, Chr., see Behr, H.J. et al. ... 61(1/4): 273–285
Reuter, A. and Dallmeyer, R.D., Significance of $^{40}Ar/^{39}Ar$ age spectra of whole-rock and constituent grain-size fractions from anchizonal slates ... *66(1/2): 73– 88
Revesz, K. and Coplen, T.B., Caution of the use of Viton® or FETFE® O-rings in carbon dioxide sample containers for $\delta^{18}O$ analysis (Technical Note) ... *86(3): 259–261
Rex, D.C., see Odin, G.S. et al. ... *86(3): 203–224
Reyes, E., see Caballero, E. et al. ... 89(3/4): 353–358
Reynard, B., see Guyot, F. and Reynard, B. ... 96(3/4): 411–420
Reynolds, J.H., see Torgersen, T. et al. ... 70(1/2): 42
Reynolds, P.H., see Muecke, G.K. et al. ... *73(2): 153–167
Reyss, J.L., see Schmidt, S. et al. ... 70(1/2): 124
Ribet, I. and Thiry, M., Quartz growth in limestone: Example from water-table silicifications in the Paris basin ... 84(1/4): 316–320
Rice, D.D., Threlkeld, C.N. and Vuletich, A.K., Character, origin and occurrence of natural gases in the Anadarko basin, southwestern Kansas, western Oklahoma and Texas Panhandle, U.S.A. ... 71(1/3): 149–157
Rich, B., see Fehn, U. et al. ... 70(1/2): 135
Richards, J.R. and Appel, P.W.U., Age of the "least radiogenic" galenas at Isua, West Greenland ... *66(3/4): 181–191
Richards, K.J., *Sea Surface Studies: A Global View* by R.J.N. Devoy (Editor) (Book Review) ... 81(1/2): 163–164
Richardson, C.K., see Ruiz, J. et al. ... 70(1/2): 137
Richardson, J.M., Blenkinsop, J. and Bell, K., Extreme variations (0.729–0.828) in initial $^{87}Sr/^{86}Sr$ ratios in magmato-hydrothermal fluids derived from the east Kamptville Greisen tin deposit, Nova Scotia, Canada ... 70(1/2): 136
Richardson, J.M., see Dickin, A.P. et al. ... 70(1/2): 179
Richardson, S.B., see Walker, C.D. and Richardson, S.B. ... *94(2): 145–158
Richardson, S.M. and Hansen, K.S., Stable isotopes in the sulfate evaporites from southeastern Iowa, U.S.A.: Indications of postdepositional change ... 90(1/2): 79– 90
Riché, G., see Dever, L. et al. ... *66(3/4): 307–314
Richet, P., Heat capacity of silicate glasses ... 62(1/2): 111–124
Richet, P., Robie, R.A. and Hemingway, B.S., Heat capacity of aluminosilicate glasses and liquids: From 0 K to magmatic temperatures ... 70(1/2): 89
Richet, P., see Tarrida, M. and Richet, P. ... 71(4): 369
Richet, P., see Bottinga, Y. et al. ... 96(3/4): ii–iii
Richter, H., see Heusser, E. et al. ... 70(1/2): 37
Richter, P., see Reinecke, T. et al. ... 53(3/4): 249–278
Rick, B., Sulphur and oxygen isotopic composition of Swiss Gipskeuper (Upper Triassic) ... *80(3): 243–250
Rickard, D., Kinetics of fast precipitation reactions involving metal sulfides ... 70(1/2): 81
Rickard, D., Experimental concentration–time curves for the iron (II) sulphide precipitation process in aqueous solutions and their interpretation ... 78(3/4): 315–324
Rickard, D. and Torssander, P., The origin of hydrothermal sulfur in volcanic terranes ... 70(1/2): 137
Rickard, D., see Cowper, M. and Rickard, D. ... 70(1/2): 77
Rickard, D., see Cowper, M. and Rickard, D. ... 78(3/4): 325–341
Ridge, J.D., *Mineral Deposits of the Alps and of the Alpine Epoch in Europe* by H.H. Schneider (Editor) (Book Review) ... 54(1/2): 178–180
Ries-Kautt, M. and A'brecht, P., Hopane-derived triterpenoids in soils ... 76(1/2): 143–151
Rietmeijer, F.J.M., On a chemical continuum in early solar system dust at > 1.8 AU ... 70(1/2): 33
Rigby, D. and Batts, B.D., The isotopic composition of nitrogen in Australian coals and oil shales ... *58(3): 273–282
Riley, K.M., see Coleman, D.D. et al. ... 71(1/3): 23– 40
Ringwood, A.E., Slab–mantle interactions, 3. Petrogenesis of intraplate magmas and structure of the upper mantle ... 82(3/4): 187–207
Ringwood, A.E., Irifune, T. and Kato, T., Phase transformations and mantle dynamics ... 70(1/2): 64
Ringwood, A.E., see Kesson, S.E. and Ringwood, A.E. ... 70(1/2): 52
Ringwood, A.E., see Kesson, S.E. and Ringwood, A.E. ... 70(1/2): 52
Ringwood, A.E., see Kato, T. et al. ... 70(1/2): 55
Ringwood, A.E., see Kato, T. and Ringwood, A.E. ... 70(1/2): 64
Ringwood, A.E., see Kesson, S.E. and Ringwood, A.E. ... 78(2): 83– 96
Ringwood, A.E., see Kesson, S.E. and Ringwood, A.E. ... 78(2): 97–118
Ripley, E.M. and Taib, N.I., Carbon isotopic studies of metasedimentary and igneous rocks at the Babbitt Cu–Ni deposit, Duluth Complex, Minnesota, U.S.A. ... *73(4): 319–342
Risacher, F. and Fritz, B., Quaternary geochemical evolution of the salars of Uyuni and Coipasa, Central Altiplano, Bolivia ... 90(3/4): 211–231
River, J.L., Sutton, S.R. and Smith, J.V., A synchrotron X-ray fluorescence microprobe ... 70(1/2): 179

Rivers, M.L., see Frantz, J.D. et al. ..... 69(3/4): 235–244
Rivers, M.L., see Lu, F.-Q. et al. ..... 75(1/2): 123–143
Rivers, M.L., see Kopp, O.C. et al. ..... 81(4): 337–347
Rivoldini, A. and Cara, S., Boron determination in Sulcis coal ash by inductively coupled plasma–optic emission spectrometry ..... 98(3/4): 317–322
Roaldset, E., see Topp, S.E. et al. ..... 56(1/2): 161–163
Robaye, G., see Roelandts, I. et al. ..... 54(1/2): 35– 42
Robaye, G., see Toutain, J.P. et al. ..... 70(1/2): 155
Robb, L.J. and Meyer, M., Uranium distribution in greisenized granites from the Archaean basement in the hinterland of the Witwatersrand Basin ..... 70(1/2): 190
Robb, L.J., Meyer, M. and Drennan, G.R., Recent developments in understanding the Archaean granitic basement of the Barberton Mountain land and adjacent Witwatersrand Basin hinterland ..... 70(1/2): 147
Robb, L.J., see Landais, P. et al. ..... 70(1/2): 188
Robert, F., see Halbout, J. et al. ..... 70(1/2): 119
Robert, M., see Delbove, F. et al. ..... 70(1/2): 86
Robert, M., see Delbove, F. et al. ..... 70(1/2): 159
Robie, R.A., see Richet, P. et al. ..... 70(1/2): 89
Robinson, B., see Cullers, R.L. et al. ..... 63(3/4): 275–297
Robinson, B.W. and Al Ruwaih, F., The stable-isotopic composition of water and sulfate from the Raudhatain and Umm Al Aish freshwater fields, Kuwait ..... *58(1/2): 129–136
Robinson, B.W., Hirner, A.V. and Lyon, G.L., Stable carbon and sulfur isotope distributions of crude oil and source rock costituents from Burgan and Raudhatain oil fields (Kuwait) ..... *86(4): 295–306
Robinson, B.W., see Christie, A.B. et al. ..... 78(1): 35– 49
Robinson, G.D., Enhancement of subtle gechemical anomalies by selective chemical extractions of metal from pebble coatings ..... 53(1/2): 37– 51
Robinson, G.D., Metal-tolerant bacteria in geochemical exploration ..... 82(1/2): 145–158
Robinson, N., *Fossil Fuel Biomakers — Applications and Spectra* by R.P. Philps (Book Review) ..... 56(3/4): 338–339
Robinson, N., Eglinton, G., Cranwell, P.A. and Zeng, Y.B., Messel oil shale (western Germany): Assessment of depositional palaeoenvironment from the content of biological marker compounds ..... 76(1/2): 153–173
Robinson, N., see Dobson, G. et al. ..... 68(1/2): 155–179
Robinson, N., see Parnell, J. et al. ..... 90(1/2): 1– 14
Robinson, P., Higgins, N.C. and Jenner, G.A., Determination of rare-earth elements, yttrium and scandium in rocks by an ion exchange–X-ray fluorescence technique ..... 55(1/2): 121–137
Robinson, S., see Oliver, R.A. et al. ..... 70(1/2): 177
Rocaboy, A., Vidal, P. and Dupuy, C., The HIMU reservoir ..... 70(1/2): 56
Rocchia, R., Luck, J.-M., Holliger, Ph., Boclet, D., Bonte, Ph. and Jehanno, C., Search for long-lived isotopes at the K–T boundary: a test for the existence of interstellar comets ..... 70(1/2): 120
Rocchia, R., see Turpin, L. et al. ..... 70(1/2): 121
Rocholl, A., see Heusser, E. et al. ..... 70(1/2): 37
Rock, N.M.S., Chemistry of the Dalradian (Vendian–Cambrian) metalimestones, British Isles ..... 56(3/4): 289–311
Rock, N.M.S., Webb, J.A., McNaughton, N.J. and Bell, G.D., Non parametric estimation of averages and errors for small data-sets in isotope geoscience: a proposal ..... *66(1/2): 163–177
Rock, N.M.S., see Finlayson, E.J. et al. ..... 69(3/4): 215–233
Roddick, J.C., Loveridge, W.D. and Parrish, R.R., Precise U/Pb dating of zircon at the sub-nanogram Pb level *66(1/2): 111–121
Roddick, J.C., Sullivan, R.W. and Dudás, F.Ö., Precise calibration of Nd tracer isotopic compositions for Sm–Nd studies ..... 97(1/2): 1– 8
Roedder, E., d'Angelo, W.M., Dorrzapf, Jr., A.F. and Aruscavage, P.J., Composition of fluid inclusions in Permian salt beds, Palo Duro Basin, Texas, U.S.A. ..... 61(1/4): 79– 90
Roelandts, I., Determination of cobalt in iron-rich materials by X-ray fluorescence spectrometry after solvent and anion-exchange extraction ..... 51(1/2): 3– 8
Roelandts, I., Comparison of inductively coupled plasma and neutron activation analysis for precise and accurate determination of nine rare-earth elements in geological materials ..... 67(1/2): 171–180
Roelandts, I. and Deblond, A., Rare-earth element composition of Devonian sediments from southern Belgium: Application of an inductively coupled plasma–atomic emission spectrometry method ..... 95(1/2): 167–176
Roelandts, I., Robaye, G., Weber, G. and Delbrouck-Habaru, J.M., The application of proton-induced gamma-ray emission (PIGE) analysis to the rapid determination of fluorine in geological materials ..... 54(1/2): 35– 42
Rogers, G., see Hawkesworth, R.M. et al. ..... 70(1/2): 69
Rogers, J.J.W., The Arsikere Granite of southern India: Magmatism and metamorphism in a previously depleted crust ..... 67(1/2): 155–163
Rogers, N.W., Hawkesworth, C.J. and Palacz, Z.A., The geochemistry of olivine melilitites from southern Africa and controls on U/Pb fractionation in the upper mantle ..... 70(1/2): 56

Rogers, N.W., see Ellam, R.M. et al. ... 70(1/2): 49
Rogers, N.W., see Hawkesworth, C.J. et al. ... 70(1/2): 51
Rogers, N.W., see Ormerod, D.S. et al. ... 70(1/2): 154
Rogers, N.W., see Erlank, A.J. et al. ... 70(1/2): 202
Rogez, J., Bergman, C., Chastel, R. and Mathieu, J.C., Thermodynamic study of the $MgO–K_2O–SiO_2$ system in the glassy and liquid states ... 70(1/2): 89
Rogez, J., see Baronnet, A. and Rogez, J. ... 62(1/2): 7– 17
Rogez, J., see Chastel, R. et al. ... 62(1/2): 19– 29
Rogez, J., see Zahra, A.M. et al. ... 70(1/2): 89
Roiron, P., see Magnin, F. et al. ... 84(1/4): 173–175
Roman, D. and Fabryka-Martin, J., Iodine-129 and chlorine-36 in uranium ores, 1. Preparation of samples for analysis by AMS. ... *72(1): 1– 6
Roman, D., see Fabryka-Martin, J. et al. ... *72(1): 7– 16
Romero, R., see Taboada, T. et al. ... 84(1/4): 130–132
Romeur, M., see Dosso, L. et al. ... 70(1/2): 47
Ron, H., see Shemesh, A. et al. ... *94(4): 307–314
Ronen, D., see Magaritz, M. et al. ... 100(1/2): 147–158
Roquin, C., Paquet, H., Freyssinet, P., Boeglin, J.-L., Mazaltarim, D. and Tardy, Y., Lithodependence and homogenization of mineralogical and chemical composition of ferricretes ... 84(1/4): 124–127
Roquin, C., see Freyssinet, Ph. et al. ... 84(1/4): 58– 60
Roquin, C., see Tardy, Y. et al. ... 84(1/4): 133–136
Roquin, C., see Tardy, Y. et al. ... 84(1/4): 179–182
Rose, A.W., see Pirc, S. and Rose, A.W. ... 85(3/4): 321–328
Rose, S., The heavy-metal adsorption characteristics of Hawthorne Formation (Florida, U.S.A.) sediments ... 74(3/4): 365–370
Roselieb, K., Rammensee, W., Büttner, H. and Rosenhauer, M., Solubility and diffusion of noble gases in vitreous albite ... 96(3/4): 241–266
Rosenberg, P.E., see Ekambaram, V. et al. ... 54(3/4): 319–331
Rosenhauer, M., see Martens, R.M. et al. ... 62(1/2): 49– 70
Rosenhauer, M., see Roselieb, K. et al. ... 96(3/4): 241–266
Rosenthal, Y. and Katz, A., The apllicability of trace elements in freshwater shells for paleogeochemical studies ... 78(1): 65– 76
Roser, B.P. and Korsch, R.J., Provenance signatures of sandstone–mudstone suites determined using discriminant function analysis of major-element data ... 67(1/2): 119–139
Rosing, M., see Gruau, G. et al. ... 70(1/2): 144
Roskamp, G. and Schultz, L., Noble gases in Archaean metasediments from Isua (Greenland) and the Pongola Supergroup (South Africa) ... *52(1): 111–117
Rösler, H.J., see Hammer, J. et al. ... 85(3/4): 345–360
Rosman, K.J.R., see Loss, R.D. et al. ... 76(1/2): 71– 84
Rossman, D.L., see Bacuta, Jr., G.C. et al. ... 70(1/2): 132
Rossy, M, Azambre, B. and Albarède, F., REE and Sr–Nd isotope geochemistry of the alkaline magmatism from the Cretaceous North Pyrenean Rift Zone (France–Spain) ... 97(1/2): 33– 46
Rotach-Toulhoat, N., see Soler, P. and Rotach-Toulhoat, N. ... 70(1/2): 137
Rotaru, M., Brick, J.L. and Allègre, C.J., Chromium isotopic systematics in refractory inclusions of carbonaceous chondrites ... 70(1/2): 26
Rottura, A., Del Moro, A., Pinarelli, L., Petrini, R., Peccerillo, A., Caggianelli, A., Bargossi, G.M. and Piccarreta, G., Relationships between intermediate and acidic rocks in orogenic granitoid suites: petrological, geochemical and isotopic (Sr, Nd, Pb) data from Capo Vaticano (southern Calabria, Italy) ... 92(1/3): 153–176
Rouchy, J-M., see Pierre, C. and Rouchy, J-M. ... *58(3): 245–252
Rousseau, D., Allègre, C.J. and Dawson, J.B., Nd–Sr–Pb isotopic systematics of young carbonatites ... 70(1/2): 46
Rousseau, D., see Allègre, C.J. and Rousseau, D. ... 70(1/2): 66
Rowe, M.R., see Ledger, E.B. et al. ... 69(1/2): 165–169
Rowland, F.S., Harris, N., Bojkov, R. and Bloomfield, P., Global measurements of total ozone wintertime loss in the northern hemisphere ... 70(1/2): 104
Roy, A.B., see Gopalan, K. et al. ... 70(1/2): 144
Rozanski, K., Deuterium and oxygen-18 in European groundwaters — Links to atmospheric circulation in the past ... *52(3/4): 349– 36
Rozanski, K., Deuterium content of fluid inclusions in carbonate cave deposits — possible links to climate changes ... 70(1/2): 169
Rua-Figueroa, A., Llavona, M., Loredo, J. and García Iglesias, J., Fluid inclusions in quartz from a gold-mineralized granodioritic intrusion at Carlés, Asturias, Spain ... 61(1/4): 217–224
Rublev, A.G., see Kolokoltsev, V.G. et al. ... 84(1/4): 86– 87

Rudnick, R.L., Nd and Sr isotopic composition of lower crustal xenoliths: Implications for continental growth ... 70(1/2): 72
Rudnick, R.L., Nd and Sr isotopic compositions for lower-crustal xenoliths from north Queensland, Australia: Implications for Nd model ages and crustal growth processes ... 83(3/4): 195–208
Rudolph, J., Khedim, A. and Wagenbach, D., The seasonal cycles of C_2 and C_3 hydrocarbons in the Antarctic troposphere ... 70(1/2): 104
Rudolph, J., see Koppmann, R. and Rudolph, J. ... 70(1/2): 99
Rudowski, L., see Marinho, M. et al. ... 71(4): 368
Rudralah, M., see Malur, M.N. et al. ... 70(1/2): 71
Ruf, W., see Fry, B. et al. ... *73(3): 205–210
Ruhrmann, G., see Carl, C. et al. ... 70(1/2): 133
Ruiz, J. and Patchett, P.J., Origin of silicic volcanics from the Sierra Madre Occidental, Mexico, and its bearing on continental crustal growth ... 70(1/2): 73
Ruiz, J., Patchett, P.J. and Richardson, C.K., Sr isotopes and the source of fluorite-mineralizing solutions in the Cave-in-Rock district, U.S.A. ... 70(1/2): 137
Ruiz-Pino, D., Lambert, C.E., Jeandel, C. and Buat-Menard, P., Modelling the biogenic transport of atmospheric particles in surface and deep marine waters ... 70(1/2): 198
Rullkötter, J., see Stein, R. et al. ... 56(1/2): 1– 32
Rumble III, D., *Equilibrium Activity Diagrams for Coexisting Minerals and Aqueous Solutions at Pressures and Temperatures to 5 kb and 600°C* by T.S. Bowers, K.J. Jackson and H.C. Helgeson (Book Review) ... 56(3/4): 335–336
Rundle, C.C., Radiometric dating of a Caradocian tuff horizon ... *59(2/3): 111–115
Rupasinghe, M.S. and Dissanayake, C.B., Charnockites and the genesis of gem minerals ... 53(1/2): 1– 16
Rupasinghe, M.S., see Dissanayake, C.B. and Rupasinghe, M.S. ... 97(3/4): 265–272
Russel, N., see Kettler, R.M. et al. ... 99(1/3): 29– 50
Russell, C.W., Cowart, J.B. and Russell, G.S., Strontium isotopes in brines and associated rocks from Cretaceous strata in the Mississippi Salt Dome Basin (southeastern Mississippi, U.S.A.) ... 74(1/2): 153–171
Russell, G.S., see Russell, C.W. et al. ... 74(1/2): 153–171
Russell, M.R., see MacRae, N.D. and Russell, M.R. ... 64(3/4): 307–317
Russo, F., see Gorgoni, C. et al. ... 70(1/2): 115
Rustad, J.R., Yuen, D.A. and Spera, F.J., Coordination variability and the structural components of silica glass under high pressures ... 96(3/4): 421–437
Rutter, M.J. and Wyllie, P.J., Crustal differentiation, granitoid segregation and migmatite genesis: An experimental approach ... 70(1/2): 73
Ryan, C.G., see Green, T.H. et al. ... 74(3/4): 201–216
Ryan, D.E., Holzbecher, J. and Brooks, R.R., Rhodium and osmium in iron meteorites ... 85(3/4): 295–303
Ryan, D.E., see Sipiera, P.P. et al. ... 54(1/2): 17– 26
Ryan, D.E., see Sipiera, P.P. et al. ... 64(3/4): 351–356
Ryan, D.E., see Hoashi, M. et al. ... 98(1/2): 1– 10
Ryan, J.N., see Maest, A.S. et al. ... 81(1/2): 133–149
Ryder, G., see Dasch, E.J. et al. ... 70(1/2): 7
Rye, R.O., see Alpers, C.N. et al. ... 96(1/2): 203–226
Rye, R.O., see Kettler, R.M. et al. ... 99(1/3): 29– 50

Sabate, P., see Marinho, M. et al. ... 71(4): 368
Sabaté, P., Marinho, M.M., Vidal, Ph. and Caen-Vachette, M., The 2-Ga peraluminous magmatism of the Jacobina–Contendas Mirante belts (Bahia, Brazil): Geologic and isotopic constraints on the sources ... 83(3/4): 325–338
Sadurski, A., see Bosch, B. et al. ... 55(1/2): 31– 44
Sagarzazu, A., see Mendelovici, E. et al. ... 60(1/4): 177–184
Sagna, I., Montigny, R., Urbani, F. and Loubet, M., K–Ar ages of igneous rocks from the Caribbean chain of Venezuela ... 70(1/2): 15
Saha, A.K., see Ray, S.L. et al. ... 70(1/2): 148
Sahu, K.C. and Bhosale, U., Heavy metal pollution around the island city of Bombay, India. Part I: Quantification of heavy metal pollution of aquatic sediments and recognition of environmental discriminants ... 90(3/4): 263–283
Sahu, K.C., see Bhosale, U. and Sahu, K.C. ... 90(3/4): 285–305
Saigal, G.C., see Egeberg, P.K. and Saigal, G.C. ... 92(4): 339–354
Saito, K., Rare-gas abundances in three cogenetic minerals separated from granodiorites ... *52(1): 103–109
Saito, K. and Suzuki, K., Rare gases in Antarctic metamorphic rocks and generation of a neon enriched (type II) abundance pattern ... 70(1/2): 40
Sakata, S., Takahashi, M., Igari, S. and Suzuki, N., Origin of light hydrocarbons from volcanic rocks in the "Green Tuff" region of northeast Japan: Biogenic versus magmatic ... 74(3/4): 241–248
Salbu, B., see Topp, S.E. et al. ... 56(1/2): 161–163

Saliba, E., see Pasteels, P. et al. ... 57(1/2): 145–154
Saliot, A., see Bigot, M. et al. ... 75(4): 339–350
Salmi, T., see Joffre, S.M. et al. ... 70(1/2): 99
Saltoğlu, T., see Çağatay, M.N. et al. ... 82(1/2): 129–144
Salvemini, A., see Caggionelli, A. et al. ... 99(4): 253–263
Samson, S.D. and Alexander, Jr., E.C., Calibration of the interlaboratory ^{40}Ar–^{39}Ar dating standard, NMhb-*1* ... *66(1/2): 27– 34
Sanderson, H.P., *Atmospheric Chemistry* by E.D. Goldberg (Editor) (Book Review) ... 51(1/2): 153–154
Sandhu, A.S., see Ramola, R.C. et al. ... 70(1/2): 190
Sanjuan, B., Michard, A. and Michard, G., Influence of the temperature of CO_2-rich springs on their aluminium and rare-earth element contents ... 68(1/2): 57– 67
Sano, Y. and Wakita, H., Helium isotopes and heat flow on the ocean floor ... *66(3/4): 217–226
Sano, Y., Nakamura, Y. and Wakita, H., Areal distribution of $^{3}He/^{4}He$ ratios in the Tohoku district, northeastern Japan ... *52(1): 1– 8
Sano, Y., see Marty, B. et al. ... 76(1/2): 25– 40
Santosh, M., see Nair, N.G.K. et al. ... 60(1/4): 309–315
Santschi, P., see Bruno, J. et al. ... 70(1/2): 188
Santschi, P.H., see Wan, G.J. et al. ... 63(3/4): 181–196
Saragovi, C., see Kleiman, L.E. et al. ... 97(3/4): 251–264
Sarazin, G., Gaillard, J.F., Philippe, L., Rabouille, C. and Michard, G., Aydat Lake: Early diagenesis and related environmental aspects ... 71(4): 369
Sarazin, G., Michard, G., Al Gharib, I. and Bernat, M., Sedimentation rate and early diagenesis of particulate organic nitrogen and carbon in Aydat Lake (Puy de Dôme, France) ... 98(3/4): 307–316
Sarazin, G., see Gaillard, J-F. et al. ... 63(1/2): 73– 84
Sarazin, G., see Gaillard, J.-F. et al. ... 70(1/2): 115
Sarcia, C., see Bosch, B. et al. ... 55(1/2): 31– 44
Sarda, Ph., Staudacher, Th. and Allègre, C.J., Neon isotopes in the mantle ... 70(1/2): 40
Sarda, Ph., see Staudacher, Th. et al. ... 89(1/2): 1– 17
Sarkar, S.N., see Ray, S.L. et al. ... 70(1/2): 148
Sarkar, S.S., see Ray, S.L. et al. ... 70(1/2): 148
Sarnthein, M. and Winn, K., Spatial variability of oceanic new productivity, 0–30,000 yr B.P. ... 70(1/2): 112
Sasaki, K., see Yamamoto, M. et al. ... 93(1/2): 193–206
Sasaki, N., see Minato, H. et al. ... 60(1/4): 73– 78
Sassen, R., Chinn, E.W. and McCabe, C., Recent hydrocarbon alteration, sulfate reduction and formation of elemental sulfur and metal sulfides in salt dome cap rock ... 74(1/2): 57– 66
Sassi, A., see Tlig, S. et al. ... 62(3/4): 209–221
Sato, R.K., see Poe, B.T. et al. ... 96(3/4): 333–349
Sauer, W., see Singhvi, A.K. et al. ... *65(1): 45– 56
Sauer, W., see Singhvi, A.K. et al. ... *73(4): 307–317
Sauerer, A. and Troll, G., Abundance and distribution of boron in granites from Hauzenberg (Bavaria) and Ballachulish (Scotland) ... 70(1/2): 15
Saunders, A.D., see Storey, M. et al. ... 70(1/2): 57
Saunders, J.A., Prikryl, J.D. and Posey, H.H., Mineralogic and isotopic constraints on the origin of strontium-rich cap rock, Tatum Dome, Mississippi, U.S.A. ... 74(1/2): 137–152
Sautter, V., Jaoul, O. and Abel, P., Aluminum diffusion in diopside ... 70(1/2): 186
Sautter, V., see Jaoul, O. et al. ... 70(1/2): 79
Savage, D., Granite–water interactions at 100°C, 50 MPa: An experimental study ... 54(1/2): 81– 95
Savin, S.M., Recent advances in the oxygen and hydrogen isotope geochemistry of silicates and oxides in low temperature systems ... 84(1/4): 341–342
Savin, S.M., see Barrera, E. and Savin, S.M. ... *66(3/4): 301–305
Savin, S.M., see Girard, J.P. et al. ... 70(1/2): 184
Sawkins, F.J., see Norman, D.I. and Sawkins, F.J. ... 61(1/4): 1– 10
Sawyer, E.W., The influence of source rock type, chemical weathering and sorting on the geochemistry of clastic sediments from the Quetico Metasedimentary Belt, Superior Province, Canada ... 55(1/2): 77– 95
Saxby, J.D. and Stephenson, L.C., Effect of an igneous intrusion on oil shale at Rundle (Australia) ... 63(1/2): 1– 16
Saxena, V.K., see Defelice, T.P. and Saxena, V.K. ... 70(1/2): 104
Saydam, C., see Ergin, M. et al. ... 91(3): 269–285
Sayles, F.L., see Seyfried, Jr., W.E. et al. ... 53(1/2): 135–153
Sæther, O.M., Bølviken, B., Låg, J. and Steinnes, E., Concentration and chemical form of lead during natural transportation in groundwater ... 69(3/4): 309–319
Scarfe, C.M., see Dunn, T. and Scarfe, C.M. ... 54(3/4): 203–215
Schaefer, M.W., Chemical weathering and its effects on the morphology of the northern plains of Mars ... 70(1/2): 16

Schaefer, R.G., see Krooss, B.M. et al. ..... 71(1/3): 65– 76
Schaefer, R.G., see Welte, D.H. et al. ..... 71(1/3): 105–116
Schäfer, H.-J., see Nägler, Th.F. et al. ..... 70(1/2): 72
Schaltegger, U. and Krähenbühl, U., Heavy rare-earth element enrichment in granites of the Aar Massif (Central Alps, Switzerland) ..... 89(1/2): 49– 63
Schärer, U., see Noble, S.R. et al. ..... *79(1): 15– 19
Schelhaas, N., see Alexander, C.M.O'D. et al. ..... 70(1/2): 24
Schellmann, W., Allochthonous surface alteration of Ni-laterites ..... 74(3/4): 351–364
Schenck, P.A., see Ten Haven, H.L. et al. ..... 64(1/2): 149–167
Schenk, D., see Matthess, G. and Schenk, D. ..... 84(1/4): 311–313
Schidlowski, M., *Isotopes in the Earth Sciences* by R. Rowen (Book Review) ..... *94(2): 159–160
Schieber, J., Stratigraphic control of rare-earth pattern types in Mid-Proterozoic sediments of the Belt Supergroup, Montana, U.A.S.: Implications for basin analysis ..... 54(1/2): 135–148
Schieber, J., Redistribution of rare-earth elements during diagenesis of carbonate rocks from the Mid-Proterozoic Newland Formation, Montana, U.S.A. ..... 69(1/2): 111–126
Schieber, J., Distribution of REE in the Eastern Belt Supergroup (Montana, U.S.): Implications for stratigraphic correlations and basin evolution ..... 81(1/2): 83– 98
Schifano, G. and Censi, P., Oxygen and carbon isotope composition, magnesium and strontium contents of calcite from a subtidal *Patella coerulea* shell ..... *58(4): 325–331
Schilling, J.-G., see Fontignie, D. and Schilling, J.-G. ..... 89(3/4): 209–241
Schimmield, G.B., see Price, N.B. et al. ..... 70(1/2): 111
Schiøtte, L. and Compston, W., U–Pb age pattern for single zircons from the early Archaean Akilia association south of Ameralik fjord, southern West Greenland ..... *80(2): 147–157
Schiøtte, L., Compston, W. and Bridgwater, D., U–Pb single-zircon age for the Tinissaq gneiss of southern West Greenland: A controversy resolved ..... *79(1): 21– 30
Schleicher, H., Baumann, A. and Keller, J., Pb isotopic systematics of alkaline volcanic rocks and carbonites from the Kaiserstuhl, Upper Rhine rift valley, F.R.G. ..... 93(3/4): 231–243
Schmidt, S., Reyss, J.L., Nguyen, H.V. and Buat-Menard, P., ^{234}Th cycling in the upper water water column of the northwestern Mediterranean Sea ..... 70(1/2): 124
Schmidt-Mumm, A., Behr, H.-J. and Horn, E.E., Fluid systems in metaplaya sequences in the Damara Orogen (Namibia): evidence for sulfur-rich brines — General evolution and first results ..... 61(1/4): 135–145
Schnitzer, M. and Calderoni, G., Some chemical characteristics of paleosol humic acids ..... 53(3/4): 175–184
Schoberth, S.M., see Schoell, M. et al. ..... 71(1/3): 257–265
Schoell, M. (Guest-Editor), Preface to Special Issue "Origins of Methane in the Earth" ..... 71(1/3): vii
Schoell, M., Multiple origin of methane in the Earth ..... 71(1/3): 1– 10
Schoell, M., Tietze, K. and Schoberth, S.M., Origin of methane in Lake Kivu (East-Central Africa) ..... 71(1/3): 257–265
Scholl, D.W., see Vallier, T.L. et al. ..... 91(3): 227–256
Schoonen, M.A.A. and Barnes, H.L., Kinetic paths for low temperature pyrite and marcasite formation from solution ..... 70(1/2): 81
Schoonen, M.A.A., see Ten Haven, H.L. et al. ..... 51(3/4): 225–238
Schorin, H. and Carías, O., Analysis of natural and beneficiated ferruginous bauxites by both X-ray diffraction and X-ray fluorescence ..... 60(1/4): 199–204
Schorin, H. and Puchelt, H., Geochemistry of a ferruginous bauxite profile from southeast Venezuela ..... 64(1/2): 127–142
Schott, J. and Lasaga, A.C. (Editors), Preface to Special Issue "Kinetic Geochemistry" ..... 78(3/4): iii
Schott, J., Walther, J.V. and Dandurand, J.L., Solute thermodynamic properties at high temperature and pressure modelled on solvent dielectric properties ..... 70(1/2): 164
Schott, J., see Berger, G. et al. ..... 70(1/2): 76
Schott, J., see Guy, C. and Schott, J. ..... 70(1/2): 78
Schott, J., see Castet, S. et al. ..... 70(1/2): 158
Schott, J., see Berger, G. et al. ..... 71(4): 297–312
Schott, J., see Petit, J-C. et al. ..... 76(3/4): 365–369
Schott, J., see Guy, C. and Schott, J. ..... 78(3/4): 181–204
Schott, J., see Estrada Maldonado, C.F. et al. ..... 97(1/2): 113–123
Schreyer, W., see Willner, A. et al. ..... 81(3): 221–240
Schrijver, K., see Tassé, N. and Schrijver, K. ..... *80(1): 55– 70
Schroeder, P.A., see Ingall, E.D. et al. ..... 84(1/4): 220–223
Schuiling, R.D. and Andrade, A., Recovery of nutrients from organic waste streams by struvite formation ... 70(1/2): 2
Schuiling, R.D., see Pietersen, H.S. et al. ..... 70(1/2): 14
Schuiling, R.D., see Van Herk, J. et al. ..... 76(3/4): 341–352
Schuler, Ch., see Wan, G.J. et al. ..... 63(3/4): 181–196

Schulman, D. and Chesworth, W., Calcium carbonate solubility in the C horizon of a southern Ontario, Canada, luvisol ..... 51(1/2): 115–122
Schultz, L., see Roskamp, G. and Schultz, L. ..... *52(1): 111–117
Schultz, R.B. and Coveney, Jr., R.M., Time-dependent changes for Midcontinent Pennsylvanian black shales, U.S.A. ..... 99(1/3): 83–100
Schulz, H.D., see Baumann, J. et al. ..... 53(3/4): 219–228
Schumacher, E., Note concerning the availability of ^{38}Ar spike (Technical Note) ..... *79(1): 93
Schuster, K.A., see Hoefs, J. et al. ..... *65(3/4): 311–319
Schwarcz, H.P. and Latham, A.G., Dirty calcites, 1. Uranium-series dating of contaminated calcite using leachates alone ..... *80(1): 35– 43
Schwarcz, H.P., see Yonge, C.J. et al. ..... *58(1/2): 97–105
Schwarcz, H.P., see Gascoyne, M. and Schwarcz, H.P. ..... *59(1): 75– 85
Schwarcz, H.P., see Przybylowicz, W. et al. ..... *86(2): 161–178
Schwarcz, H.P., see Ghazban, F. et al. ..... *87(2): 137–146
Schwartz, J., see Hennet, R.J-C. et al. ..... 69(3/4): 321–330
Schweitzer, J. and Kröner, A., Geochemistry and petrogenesis of early Proterozoic intracranotic volcanic rocks of the Ventersdorp Supergroup, South Africa ..... 51(3/4): 265–288
Schwertmann, U., see Stanjek, H. et al. ..... 84(1/4): 292–293
Scopel, R., Formoso, M.L.L., Dudoignon, P. and Meunier, A., Hydrothermal alteration of basalts, southern Parana Basin, Brazil ..... 84(1/4): 249–250
Scott, A.D., see Amonette, J.E. and Scott, A.D. ..... 92(4): 329–338
Scott, K.M., Elemental partitioning into Mn- and Fe-oxides derived from dolomitic shale-hosted Pb–Zn deposits, northwest Queensland, Australia ..... 57(3/4): 395–414
Scott, K.M., The mineralogical distribution of pathfinder elements in gossans derived from dolomitic shale-hosted Pb–Zn deposits, northwest Queensland, Australia ..... 64(3/4): 295–306
Scott, M.J., see Erel, Y. et al. ..... 85(3/4): 383–392
Scott, R.D., see Smellie, J.A.T. et al. ..... 55(3/4): 233–254
Scudeler Baccelle, L. and Nardi, S., Interaction between calcium carbonate and organic matter: An example from the Rosso Ammonitico Veronese (Veneto, north Italy) ..... 93(3/4): 303–311
Sebald, A., see Libourel, G. Geiger, C.A. et al. ..... 96(3/4): 387–397
Secchi, F.A., Brotzu, P. and Callegari, E., The Arburese igneous complex (SW Sardinia, Italy) — an example of dominant igneous fractionation leading to peraluminous cordierite-bearing leucogranites as residual melts ..... 92(1/3): 213–249
Sedwick, P.N., Gamo, T. and McMurtry, G., Hydrothermal manganese and methane plumes in the North Fiji basin ..... 70(1/2): 198
Seeley, J.L., see Hinkley, T.K. et al. ..... 70(3): 235–248
Seidel, J.L., see Monnin, M. and Seidel, J.L. ..... 70(1/2): 102
Seidemann, D.E., The hydrothermal addition of excess ^{40}Ar to the lava flows from the Early Jurassic in the Hartford Basin (northeastern U.S.A.): Implications for the time scale ..... *72(1): 37– 45
Seidemann, D.E., Geographically controlled variation of excess ^{40}Ar in lava flows from the Hartford basin (northeastern U.S.A.) ..... *86(3): 195–201
Seifert, W., *Mössbauer Spectroscopy and Its Applications*, by T.E. Cranshaw, B.W. Dale, G.O. Longworth and C.E. Johnson (Editors) (Book Review) ..... 63(3/4): 357–358
Seimbille, F., Manhès, G. and Allègre, C.J., Isotopic composition and content of strontium in rainwater ..... 70(1/2): 16
Seimbille, F., see Negrel, Ph. et al. ..... 70(1/2): 13
Seitz, M.G., Wogelius, R.A. and Flower, M.F., Nuclear waste elements slip through hydrothermally altered basalt ..... 64(1/2): 109–119
Selkirk, R., see Kritz, M.A. et al. ..... 70(1/2): 100
Sellschop, J.P.F., see Tredoux, M. et al. ..... 70(1/2): 121
Sellschop, J.P.F., see Verhagen, B.Th. et al. ..... *80(4): 319–325
Semet, M.P., Okrougin, V.M., Zaïmi, A.M. and Joron, J.L., Overview of the geochemical features of the eastern Kamchatka volcanic belt ..... 70(1/2): 56
Semet, M.P., see Fedotov, S.A. et al. ..... 70(1/2): 73
Sen, A.K. and Guha, S., The geochemistry of the weathering sequences — present and past — in and around the Pottangi and Panchpatmali bauxite-bearing plateaus, Orissa, India ..... 63(3/4): 233–274
Sen, A.K. and Guha, S., The geochemistry of the weathering sequences — present and past — in and around the Pottangi and Panchpatmali bauxite-bearing plateaus, Orissa, India (Erratum) ..... 69(3/4): 364
Senaratne, A. and Dissanayake, C.B., The geochemistry of mercury in some coastal sediments from Sri Lanka 75(3): 183–190
Senciales, M., see Dueñas, C. et al. ..... 70(1/2): 97
Sennequier, G., see Bonsang, B. et al. ..... 70(1/2): 95
Seoane Labandeira, S., see Grana-Gomez, M.J. et al. ..... 84(1/4): 68– 69

Sequeira-Braga, M.A., see Prudencio, M.I. et al. ... 84(1/4): 119–121
Serri, G., see Hébert, R. et al. ... 77(3/4): 183–207
Seufert, H.M., see Jochum, K.P. et al. ... 81(1/2): 1– 16
Ševčík, K., The temporary alkalization of surface waters by acid rain ... 70(1/2): 164
Seward, D., Cenozoic basin histories determined by fission-track dating of basement granites, South Island, New Zealand ... *79(1): 31– 48
Seward, T.M., Solute association in hydrothermal fluid systems ... 70(1/2): 164
Seyama, H., see Soma, M. and Seyama, H. ... 55(1/2): 97–103
Seyfried, Jr., W.E., Thornton, E.C. and Sayles, F.L., Heat-transfer experiment in marine pelagic clay: Implication for subseabed disposal of high-level radioactive waste and contact metamorphism in the Guaymas Basin, Gulf of California ... 53(1/2): 135–153
Seyfried, Jr., W.E., see Beck, J.W. et al. ... 97(1/2): 125–144
Shackleton, N.J., see Duplessy, J.C. et al. ... 70(1/2): 108
Shafiqullah, M., see Matheney, R.K. et al. ... *86(1): 29– 47
Shafiqullah, M., see Asmerom, Y. et al. ... *87(3/4): 167–173
Shankar, R., Subbarao, K.V. and Reddy, G.R., Distribution and origin of uranium in surficial sediments from the Arabian Sea ... 63(3/4): 217–223
Shanks III, W.C., see Okita, P.M. and Shanks III, W.C. ... 99(1/3): 139–164
Shao, M.-R., see Chen, J.-S. et al. ... *86(3): 239–251
Sharma, P., Church, T.M. and Bernat, M., Use of cosmogenic ^{10}Be and ^{26}Al in phillipsite for the dating of marine sediments in the South Pacific Ocean ... *73(4): 279–288
Sharma, P., see Somayajulu, B.L.K. et al. ... *86(3): 253–258
Shaw, D.M., Boron, tourmaline and water in continental cratons ... 70(1/2): 73
Shea, M. and Foland, K.A., The Marysvale Natural Analog Study: Preliminary oxygen isotope relations ... 55(3/4): 281–295
Shemesh, A., Ron, H., Erel, Y., Kolodny, Y. and Nur, A., Isotopic composition of vein calcite and its fluid inclusions: Implication to paleohydrological systems, tectonic events and vein formation processes ... *94(4): 307–314
Shen, C., see Henken-Mellies, W.U. et al. ... 70(1/2): 119
Shen, G.T., El nino and little ice age effects on upwelling in the eastern tropical Pacific ... 70(1/2): 198
Shen, G.T. and Boyle, E.A., Determination of lead, cadmium and other trace metals in annually-banded corals ... 67(1/2): 47– 62
Shen, G.T., see Hamelin, B. et al. ... 71(4): 367
Sheppard, S.M.F., see Charef, A. and Sheppard, S.M.F. ... 61(1/4): 113–134
Sheppard, S.M.F., see Chaussidon, M. et al. ... 70(1/2): 47
Sheppard, S.M.F., see France-Lanord, Ch. and Sheppard, S.M.F. ... 70(1/2): 160
Sheppard, S.M.F., see Petrucci, E. et al. ... 70(1/2): 164
Sheppard, S.M.F., see Blamart, D. et al. ... 70(1/2): 182
Sheppard, S.M.F., see Turpin, L. et al. ... 88(1/2): 85– 98
Sheraton, J.W., Black, L.P., McCulloch, M.T. and Oliver, R.L., Age of origin of a compositionally varied mafic dyke swarm in the Bunger Hills, East Antarctica ... 85(3/4): 215–246
Sheraton, J.W., Black, L.P. and Tindle, A.G., Petrogenesis of plutonic rocks in a Proterozoic granulite-facies terrane — the Bunger Hills, East Antarctica ... 97(3/4): 163–198
Sherwood, B., Fritz, P., Frape, S.K., Macko, S.A., Weise, S.M., Welhan, J.A., Blomqvist, R. and Lahermo, P.W., Hydrocarbon and helium geochemistry in the crystalline environment — the Canadian and Baltic Shields ... 70(1/2): 40
Sherwood, B., Fritz, P., Frape, S.K., Macko, S.A., Weise, S.M. and Welhan, J.A., Methane occurrences in the Canadian Shield ... 71(1/3): 223–236
Sheu, D.-D., $^{13}C/^{18}O$ compositions of carbonates from a cyclic carbonate–evaporite rock sequence: Evidences for meteoric water input ... 81(1/2): 157–162
Shevenell, L., Tritium in the thermal waters discharging in Loowit Canyon, Mount St. Helens, Washington, U.S.A. ... *94(2): 123–135
Shibata, K., Isotopic ages of alkali rocks from the Nemuro Group in Hokkaido, Japan: Late Cretaceous time-scale points ... *59(2/3): 163–169
Shieh, Y.N., see Price, F.T. and Shieh, Y.N. ... *58(4): 333–337
Shieh, Y.N., see Chen, C.-H. et al. ... 68(1/2): 41– 56
Shield, M., see Pidgeon, R.T. et al. ... 70(1/2): 147
Shikazono, N., Oxygen and carbon isotopic compositions of carbonates from the Neogene epithermal vein-type deposits of Japan: Implication for evolution of terrestrial geothermal activity ... 76(3/4): 239–247
Shin, S.-C. and Nishimura, S., Direct comparison of zeta calibration constants for fission-track dating by double-checking of two irradiation facilities with different degrees of neutron flux thermalization ... *87(3/4): 147–166
Shirey, S.B., Banner, J.L. and Hanson, G.N., Cation-exchange column calibration for Sr and the REE by EDTA titration ... *65(2): 183–187
Shirey, S.B., see Rajamani, V. et al. ... 70(1/2): 147
Shock, E.L., see Helgeson, H.C. and Shock, E.L. ... 70(1/2): 78

Sholkovitz, E.R., Artifacts associated with the chemical leaching of sediments for rare-earth elements ..... 77(1): 47– 51
Sholkovitz, E.R., Rare-earth elements in marine sediments and geochemical standards ..... 88(3/4): 333–347
Shotyk, W. and Nesbitt, H.W., Ligand-promoted dissolution of plagioclase feldspar: A comparison of the surface chemistry of dissolving labradorite and bytownite using SIMS ..... 84(1/4): 320–321
Shukla, P.N., see Bhandari, N. et al. ..... 70(1/2): 118
Shukolukov, Yu.A., Kolesnikov, E.M., Nazarov, M.A., Badjukov, D.D. and Korina, M.I., K–Ar age of Kara impact structure: evidence for its link with Cretaceous–Tertiary (K/T) event ..... 70(1/2): 121
Shukolyukov, Yu. and Meshick, A.P., Application of xenon isotopes for dating pitchblendes ..... *66(1/2): 123–136
Shukolyukov, Yu.A. and Meshick, A.P., Some observation on Xe_s–Xe_n dating of pitchblendes ..... 70(1/2): 41
Sichler, B., see Bellon, H. et al. ..... *59(2/3): 155–161
Sie, S.H., see Green, T.H. et al. ..... 74(3/4): 201–216
Siegel, F.R., Gerber, C., Gupta, N. and Stanley, D.J., Factors and geochemical barriers controlling clay fraction chemistry in Nile Delta sediments, Egypt ..... 70(1/2): 16
Siegel, F.R., see Regan, E.C. and Siegel, F.R. ..... 70(1/2): 17
Siegenthaler, U., Trying to understand $\delta^{18}O$ in modern and ancient precipitation ..... 70(1/2): 203
Siegenthaler, U. and Wenk, T., A box model for CO_2 in the equatorial Pacific Ocean and variation with ENSO 70(1/2): 203
Siena, F. and Coltorti, M., Lithospheric mantle evolution: Evidences from ultramafic xenoliths in the Lessinian volcanics (northern Italy) ..... 77(3/4): 347–364
Siena, F., see Beccaluva, L. et al. ..... 77(3/4): 331–345
Sigmarsson, O., Hemond, C. and Condomines, M., Evidence of crustal contamination at Hekla volcano from ^{230}Th–^{238}U disequilibria ..... 70(1/2): 129
Signer, P., see Wieler, R. et al. ..... 70(1/2): 26
Signer, P., see Eikenberg, J. et al. ..... 70(1/2): 36
Sigolo, J.B., see Boulange, B. et al. ..... 84(1/4): 350–351
Silfer, J.A., see Macko, S.A. et al. ..... 93(1/2): 147–161
Sills, J.D., see Kaiyi, W. et al. ..... 70(1/2): 149
Silva, M.M.V.G. and Neiva, A.M.R., Geochemistry of the granites and their minerals from Paredes da Beira–Penedono, northern Portugal ..... 85(1/2): 147–170
Silva, M.M.V.G., see Neiva, A.M.R. et al. ..... 82(3/4): 217–251
Silvi, B. and Bernard, E., On the determination of atom–atom potentials in silicates from quantum chemical calculations ..... 62(1/2): 125–130
Simmons, E.C., see Breit, G.N. et al. ..... *52(3/4): 333–336
Simon, B., see Parron, C. et al. ..... 84(1/4): 116–117
Simon, K. and Hoefs, J., Effects of meteoric water interaction on Hercynian granites from the Südschwarzwald, southwest Germany ..... 61(1/4): 253–261
Simon, N.S., Hatcher, S.A. and Demas, C., Comparison of methods for the removal of organic carbon and extraction of chromium, iron and manganese from an estuarine sediment standard and sediment from the Calcasieu River estuary, Louisiana, U.S.A. ..... 100(3/4): 175–189
Simon, O.J., see Andriessen, P.A.M. et al. ..... 91(1): 33– 48
Simoneit, B.R.T., Kawka, O.E. and Brault, M., Origin of gases and condensates in the Guyamas Basin hydrothermal system (Gulf of California) ..... 71(1/3): 169–182
Simonin, J.P., Gaillard, J.F., Turq, P. and Soualhia, E., Influence of ion-pair formation, and pH gradient, on diffusion–coupling processes ..... 70(1/2): 82
Simonin. J.P., Turq, P., Soualhia, E., Michard, G. and Gaillard, J.F., Transport coupling of ions: Influence of ion pairing and pH gradient — Application to the study of diagenetic fluxes ..... 78(3/4): 343–356
Simons, D.S., see Walker, R.J. et al. ..... 70(1/2): 180
Simpson, B. and Stewart, M.K., Geochemical and isotope identification of warm groundwaters in coastal basins near Tauranga, New Zealand ..... 64(1/2): 67– 77
Simpson, H.J., see Guerzoni, S. et al. ..... 70(1/2): 115
Simpson, H.J., see Herczeg, A.L. et al. ..... *72(2): 181–196
Simsons, A., see Landsberger, S. and Simsons, A. ..... 62(3/4): 223–226
Singh, S., see Ramola, R.C. et al. ..... 70(1/2): 190
Singhvi, A.K., Bronger, A., Pant, R.K. and Sauer, W., Thermoluminescence dating and its implications for the chronostratigraphy of loess–paleosol sequences in the Kashmir Valley (India) ..... *65(1): 45– 56
Singhvi, A.K., Bronger, A., Sauer, W. and Pant, R.K., Thermoluminescence dating of loess–paleosol sequences in the Carpathian Basin (East-Central Europe): A suggestion for a revised chronology ..... *73(4): 307–317
Sipiera, P.P., Brooks, R.R., Johnston, J.H., Hoek, P.L., Holzbecher, J., Ryan, D.E., Neall, V.E. and Reeves, R.D., The chemical and mineralogical composition of three New Zealand chondrites ..... 54(1/2): 17– 26
Sipiera, P.P., Brooks, R.R., Johnston, J.H., Holzbecher, J. and Ryan, D.E., "Dunedin": An *LL-3* chondrite from New Zealand ..... 64(3/4): 351–356
Siriwardena, A., see Brooks, R.R. et al. ..... 53(1/2): 31– 35

Skiöld, T., Öhlander, B., Vocke, Jr., R.D. and Hamilton, P.J., Chemistry of Proterozoic orogenic processes at a continental margin in northern Sweden ..... 69(3/4): 193–207
Skripnik, A.Ya., see Kashkarov, L.L. et al. ..... 70(1/2): 31
Slavek, J. and Pickering, W.F., Chemical leaching of metal ions sorbed on hydrous manganese oxide ..... 51(3/4): 213–223
Slodzian, G., see Lorin, J.C. et al. ..... 70(1/2): 25
Slukin, A.D., see Soman, K. and Slukin, A.D. ..... 60(1/4): 273–280
Smalley, P.C. and Blomqvist, R., An isotopic cross section through stratified saline groundwater, Outokumpu, Finland ..... 70(1/2): 165
Smalley, P.C., Forsberg, A. and Råheim, A., Rb–Sr dating of fluid migration in hydrocarbon source rocks ... *65(3/4): 223–233
Smalley, P.C., Lønøy, A. and Råheim, A., Vertical isotopic variations in waters and carbonates from the Ekofisk Field ..... 70(1/2): 17
Smellie, J.A.T. and Stuckless, J.S., Element mobility studies of two drill-cores from the Götemar Granite (Kråkemåla Test Site), southeast Sweden ..... 51(1/2): 55– 78
Smellie, J.A.T., MacKenzie, A.B. and Scott, R.D., An analogue validation study of natural radionuclide migration in crystalline rocks using uranium-series disequilibrium studies ..... 55(3/4): 233–254
Smellie, J.A.T., see Chapman, N.A. and Smellie, J.A.T ..... 55(3/4): iii
Smellie, J.A.T., see Chapman, N.A. and Smellie, J.A.T ..... 55(3/4): 167–173
Smit, C.A., see Barton Jr., J.M. et al. ..... 70(1/2): 140
Smith, A.D., Gillis, K.M. and Ludden, J.N., A *Pre-I*rradiation *G*roup *S*eparation (PIGS) technique for the analysis of rare-earth elements during Nd-isotopic analysis of geological samples ..... 81(1/2): 17– 22
Smith, A.D., see Gillis, K.M. et al. ..... 98(1/2): 71– 86
Smith, C.B., Allsopp, H.L., Garvie, O.G., Kramers, J.D., Jackson, P.F.S. and Clement, C.R., Note on the U–Pb perovskite method for dating kimberlites: Examples from the Wesselton and De Beers mines, South Africa, and Somerset Island, Canada ..... *79(2): 137–145
Smith, C.B., see Hart, R.J. et al. ..... 70(1/2): 69
Smith, C.B., see Tredoux, M. et al. ..... 70(1/2): 121
Smith, C.B., see Brown, R.W. et al. ..... *79(2): 125–136
Smith, C.B., see Hart, R.J. et al. ..... 83(3/4): 233–248
Smith, D.C. and Vidal, Ph., Preface to Special Issue "Isotope Geochemistry and Geochronology of Eclogites" *52(2): iii
Smith, D.C., see Agrinier, P. et al. ..... *52(2): 145–162
Smith, H.S., Anhaeusser, C.R., Kimber, B., Jardine, R., Harris, C. and Erlank A.J., Komatiite flows, Barberton greenstone belt: geochemical comparison of GI and GII types ..... 70(1/2): 148
Smith, H.S., Delafontaine, M. and Flemming, B.W., Intertidal barnacles — Assessment of their use as paleo-environment indicators using Mg, Sr, $^{18}O/^{16}O$ and $^{13}C/^{12}C$ variations ..... *73(3): 211–220
Smith, H.S., see Harris, Ch. et al. ..... 70(1/2): 56
Smith, H.S., see Venneman, T.W. and Smith, H.S. ..... *86(1): 83– 88
Smith, I.E.M., see Hegner, E. and Smith, I.E.M. ..... 97(3/4): 233–249
Smith, J.N., Ellis, K.M. and Nelson, D.M., Time-dependent modeling of fallout radionuclide transport in a drainage basin: Significance of "slow" erosional and "fast" hydrological components ..... 63(1/2): 157–180
Smith, J.V., see River, J.L. et al. ..... 70(1/2): 179
Smith, J.V., see Lu, F.-Q. et al. ..... 75(1/2): 123–143
Smith, J.V., see Kopp, O.C. et al. ..... 81(4): 337–347
Smith, J.W. and Gould, K.W., $^{13}C/^{12}C$ ratios in calcite associated with heat-altered coals — Comments (Discussion) ..... *59(4): 333–334
Smith, J.W., see Hunt, J.W. and Smith, J.W. ..... *58(1/2): 137–144
Smith, P.E., Farquhar, R.M. and Halls, H.C., U–Th–Pb isotope study of mafic dykes in the Superior Province, Ontario, Canada: uniformity of initial Pb isotope ratios of the Hearst dykes ..... *94(4): 261–280
Smith, R.E., Current research at CSIRO Australia on multi-element laterite geochemistry for detecting concealed mineral deposits ..... 60(1/4): 205–211
Smykatz-Kloss, W. and Joachim, H., Kaolin and silica minerals of South Africa silcretes ..... 84(1/4): 128–129
Smykatz-Kloss, W., Kossl, H. and Hotzl, H., The gypsum karst area of Foum Tahahouine, southern Tunisia: Mineralogy and hydrogeochemistry ..... 84(1/4): 206–207
Snavely, Jr., P.D., see Kvenvolden, K.A. et al. ..... 93(1/2): 101–110
Sneyers, A., Hertogen, J., Huismans, J.P.P. and Barton, M., U–Th series isotope systematics and trace element geochemistry of volcanic rocks from Santorini ..... 70(1/2): 129
Snowdon, L.R., see Osadetz, K.G. et al. ..... 70(1/2): 13
Soler, P. and Rotach-Toulhoat, N., Pb-isotopic compositions of intrusive stocks and associated ore minerals from the Oligo-Miocene polymetallic belt of central Peru ..... 70(1/2): 137
Solomon, M., see Hoffmann, C.F. et al. ..... 70(4): 287–299
Soma, M. and Seyama, H., Surface compositions on powdered rock samples studied by X-ray photoelectron spectroscopy ..... 55(1/2): 97–103

Soman, K. and Slukin, A.D., Lateritization cycles and their relation to the formation and quality of kaolin deposits in south Kerala, India ..... 60(1/4): 273–280
Somayajulu, B.L.K., Sharma, P., Klein, J., Middleton, R., Williams, D.F. and Moore, W.S., Changes in the depositional flux of ^{10}Be in the Orca Basin, Gulf of Mexico: Inverse correlation with $\delta^{18}O$ ..... *86(3): 253–258
Somayajulu, B.L.K., see Baskaran, M. et al. ..... *79(1): 65– 82
Somayajulu, B.L.K., see Baskaran, M. et al. ..... *86(2): 183–186
Somayajulu, B.L.K., see Martin, J.-M. et al. ..... *94(3): 173–181
Song, Y., Frey, F.A. and Zhi, X., Isotopic characteristics of Hannuoba basalts, eastern China: Implications for their petrogenesis and the composition of subcontinental mantle ..... 88(1/2): 35– 52
Song, Y., Frey, F., see Zhi, X. et al. ..... 88(1/2): 1– 33
Sonnenthal, E.L., see McBirney, A.R. and Sonnenthal, E.L. ..... 88(3/4): 245–260
Soon, M.Y.S., see Calvert, S.E. et al. ..... 51(1/2): 9– 18
Sørensen, H., *Ring Complex Granites and Anorogenic Magmatism* by B. Bonin (Book Review) ..... 75(1/2): 145–146
Soualhia, E., see Simonin, J.P. et al. ..... 70(1/2): 82
Soualhia, E., see Simonin. J.P. et al. ..... 78(3/4): 343–356
Soubies, F., Melfi, A.J. and Autefage, F., Geochemical behaviour of rare-earth elements in alterites of phosphate and titanium ore deposits in Tapira (Minas Gerais, Brazil): The importance of the phosphates . 84(1/4): 377
Soulard, H., Provost, A. and Boivin, P., $CaO–MgO–Al_2O_3–SiO_2–Na_2O$ (CMASN) at 1 bar from low to high Na_2O contents: Topology of an analogue for alkaline basic rocks ..... 96(3/4): 459–477
Sousa, J.J.F., Vugman, N.V. and Mangrich, A.S., An ESR study on the Irati oil shale kerogen ..... 63(1/2): 17– 20
South, B., see Al-Aasm, I.S. et al. ..... *80(2): 119–125
Southon, J.R., see Brown, T.A. et al. ..... *52(3/4): 375–378
Spadea, P., Espinosa, A. and Orrego, A., High-Mg extrusive rocks from the Romeral Zone ophiolites in the southwestern Colombian Andes ..... 77(3/4): 303–321
Span, D. and Gaillard, J-F., An investigation of a procedure for determining carbonate-bound trace metals. . 56(1/2): 135–141
Speczik, S. and Kozlowski, A., Fluid inclusion study of epigenetic veinlets from the Carboniferous rocks of the Fore-Sudetic Monocline (southwest Poland) ..... 61(1/4): 287–298
Speer, J.A., Naeem, A. and Almohandis, A.A., Small-scale variations and subtle zoning in granitoid plutons: the Liberty Hill pluton, South Carolina, U.S.A. ..... 75(3): 153–181
Spencer, M.J., Mayewski, P.A., Twickler, M.S., Lyons, W.B. and Grootes, P., A 500 year ice chemistry record from the Transantarctic Mountains: climatic and atmospheric chemistry implications ..... 70(1/2): 104
Spencer, M.J., see Chormann, Jr., F.H. et al. ..... 53(1/2): 25– 30
Spencer. R.J., see Ueda, A. et al. ..... *65(3/4): 383–390
Spera, F.J., see Rustad, J.R. et al. ..... 96(3/4): 421–437
Spiro, B., see Raab, M. and Spiro, B. ..... *86(4): 323–333
Spivack, A.J., Beckett, J.R., Hutcheon, I.D., Wasserburg, G.J. and Stolper, E.M., The partitioning of trace elements between melilite and liquid: an experimental study with applications to type B CAI ..... 70(1/2): 155
Spjeldnaes, N., see Odin, G.S. et al. ..... *59(2/3): 117–125
Spohn, T., see Hort, M. and Spohn, T. ..... 70(1/2): 79
Sposito, G., *Aquatic Chemical Kinetics — Reaction Rates of Processes in Natural Waters* by W. Stumm (Editor) (Book Review) ..... 95(3/4): 363–364
Squires, R.M., see Chung, H.M. et al. ..... 71(1/3): 97–103
Srinivasan, R., see Naha, K. et al. ..... 70(1/2): 144
Srinivasan, R., see Uday Raj, B. et al. ..... 70(1/2): 146
Sriwana, T., see Poorter, R.P.E. et al. ..... 76(3/4): 215–228
Srogi, L-A., see Lutz, T.M. and Srogi, L-A. ..... 56(1/2): 63– 71
St. Amand, P., see Ericksen, G.E. et al. ..... 67(1/2): 85–102
Stahl, W., see Berner, U. et al. ..... *94(4): 315–319
Stalder, H.A., see Mullis, J. and Stalder, H.A. ..... 61(1/4): 263–272
Stallard, M.L., see Des Marais, D.J. et al. ..... 71(1/3): 159–167
Stallard, R.F., see Maest, A.S. et al. ..... 81(1/2): 133–149
Stallard, R.F., see Yan, L. et al. ..... 85(3/4): 369–381
Stallard, R.F., see Yan, L. et al. ..... 100(3/4): 163–174
Standen, G. and Eglinton, G., A much modified and miniaturised chemical degradation procedure for the analysis of both simple organic compounds *and* biologically derived macromolecules: Ruthenium tetroxide oxidation ..... 97(3/4): 307–320
Standen, G., Boucher, R.J., Rafalska-Bloch, J. and Eglinton, G., Ruthenium tetroxide oxidation of natural organic macromolecules: Messel kerogen ..... 91(4): 297–313
Stanjek, H., Murad, E. and Schwertmann, U., Influence of Al substitution upon crystal size and room-temperature Mössbauer spectra of natural hematites ..... 84(1/4): 292–293
Stanley, D.J., see Siegel, F.R. et al. ..... 70(1/2): 16

Stanley, K.D., Lopez de la Vega, R., Quirke, J.M.E., Beato, B.D. and Yost, R.A., Comparison of the spectroscopic properties of metalloporphyrins ... 91(2): 169–183
Stanzione, D., see Crisci, G.M. et al. ... 78(1): 15– 33
Starinsky, A., see Herut, B. et al. ... 70(1/2): 196
Statham, P.J., see Morley, N.H. et al. ... 70(1/2): 197
Staudacher, Th. and Allègre, C.J., Noble gases in glass samples from Tahiti: Teahitia Rocard and Mehetia ... 70(1/2): 41
Staudacher, Th., Kurz, M.D. and Allègre, C.J., The noble-gas data on glass samples from Loihi Seamount and Hualalai and on dunite samples from Loihi and Réunion Island ... 56(3/4): 193–205
Staudacher, Th., Sarda, Ph. and Allègre, C.J., Noble gas systematics of Réunion Island, Indian Ocean ... 89(1/2): 1– 17
Staudacher, Th., see Sarda, Ph. et al. ... 70(1/2): 40
Stavrakeva, D.A. and Kastchieva, E.P., Microliquation in the glasses of magmatic rocks ... 70(1/2): 90
Stebbins, J.F., Bridging and non-bridging oxygen distributions in glasses and melts: Si-29 NMR results ... 70(1/2): 90
Stebbins, J.F., Farnan, I. and Xue, X., The structure and dynamics of alkali silicate liquids: A view from NMR spectroscopy ... 96(3/4): 371–385
Stedman, R.L., see Harmer, R.E. et al. ... 70(1/2): 50
Steefel, C.I., Van Cappellen, P., Nagy, K.L. and Lasaga, A.C., Modelling water–rock interaction in the surficial environment: The role of precursors, nucleation, and Ostwald ripening ... 84(1/4): 322–325
Steele, K.F., see Wagner, G.H. et al. ... 53(1/2): 71– 82
Stein, M. and Hofmann, A.W., The evolution of Phanerozoic basalts from the North Arabian Shield ... 70(1/2): 9
Stein, R., Rullkötter, J. and Welte, D.H., Accumulation of organic-carbon-rich sediments in the Late Jurassic and Cretaceous Atlantic Ocean ... 56(1/2): 1– 32
Steindler, M.J., see Bates, J.K. et al. ... 51(1/2): 79– 87
Steinen, R., see Swart, P.K. et al. ... *79(2): 113–123
Steinnes, E., see Sæther, O.M. et al. ... 69(3/4): 309–319
Stephens, W.E., see Holden, P. et al. ... 92(1/3): 135–152
Stephenson, L.C., see Saxby, J.D. and Stephenson, L.C. ... 63(1/2): 1– 16
Stern, W.B., see Oberhänsli, R. et al. ... *52(2): 165–184
Sternbach, C.A., Friedman, G.M., Tham, F.S. and Preiss, I.L., Radioisotope X-ray fluorescence: A rapid, precise, inexpensive method to determine bulk elemental concentrations of geologic samples for determination of porosity in hydrocarbon reservoirs ... 51(3/4): 165–174
Sternberg, L.D.S.L., see Swart, P.K. et al. ... *79(2): 113–123
Stevens, C.M., Atmospheric methane ... 71(1/3): 11– 21
Stevens, C.M., see Abrajano, T.A. et al. ... 71(1/3): 211–222
Stevens, K.F. and Vucetich, C.G., Weathering of Upper Quaternary tephras in New Zealand, 2. Clay minerals and their climatic interpretation ... 53(3/4): 237–247
Stevenson, A.J., see Vallier, T.L. et al. ... 91(3): 227–256
Stewart, M.K., see Simpson, B. and Stewart, M.K. ... 64(1/2): 67– 77
Stichler, W., see Weise, S.M. and Stichler, W. ... 70(1/2): 42
Stiehl, G., see Hammer, J. et al. ... 85(3/4): 345–360
Stievenard, M., Jouzel, J., Merlivat, L. and Javoy, M., High sensitivity measurements of water contents and D/H ratios in peridotites ... 70(1/2): 57
Stille, P. and Oberhaensli, R., Decoupled Hf- and Nd-initial isotopic compositions in Hercynian mafic dikes . 70(1/2): 17
Stille, P., see Von Blanckenburg, F. et al. ... 70(1/2): 4
Stiller, M., Yanaki, N.E. and Kronfeld, J., Comparative isotope study of two short sediment cores from the Dead Sea ... *58(1/2): 107–119
Stiller, M., Carmi, I. and Kaufman, A., Organic and inorganic ^{14}C concentrations in the sediments of Lake Kinneret and the Dead Sea (Israel) and the factors which control them ... *73(1): 63– 78
Stipp, S. and Hochella, M.F., Calcite surface reactions (restructuring and hydration) studied with X-ray photoelectron spectroscopy (XPS) and low energy electron diffraction (LEEDS) ... 84(1/4): 326–328
Stoeser, D.B., see Aleinikoff, J.N. and Stoeser, D.B. ... *79(3): 241–258
Stoffers, P., see Botz, R. et al. ... 69(3/4): 299–308
Stolper, E., Degassing of magmas: Constraints from experimental determination of volatile solubilities and studies of volcanic glasses ... 70(1/2): 41
Stolper, E.M., see Spivack, A.J. et al. ... 70(1/2): 155
Stone, J.O.H., see Porcelli, D.R. et al. ... 64(1/2): 25– 33
Stone, T., see Bird, G. et al. ... 54(1/2): 69– 80
Storey, M., Saunders, A.D., Tarney, J., Norry, M.J., Marriner, G.F., Menzies, M.A., Thirlwall, M.F., Leat, P. and Thompson, R.N., Trace element and isotopic variations in Kerguelen and Heard Island basalts ... 70(1/2): 57
Storzer, D., see Meyer, A.J. et al. ... 70(1/2): 186
Stosch, H.-G., see Maggetti, M. et al. ... 64(3/4): 319–334
Stosch, H.-G., see Miller, Ch. et al. ... 67(1/2): 103–118

Strahan, S.E., see Loewenstein, M. et al. ..... 71(4): 367
Street-Perrott, F.A., see Holmes, J.A. et al. ..... 95(1/2): 177–186
Stremme, H., see Zöller, L. et al. ..... *73(1): 39– 62
Stresko, V., see Hurai, V. and Stresko, V. ..... 61(1/4): 225–239
Strnad, J.G., see Carl, C. et al. ..... 70(1/2): 133
Strom, R.G., *Meteorites and Their Parent Planets* by H.Y. McSween, Jr. (Book Review) ..... 75(1/2): 148
Strong, D.F., see Kantipuly, C.J. et al. ..... 69(1/2): 171–176
Strong, D.F., see Jackson, S.E. et al. ..... 83(1/2): 119–132
Stuckless, J.S., Applications of U–Th–Pb isotope systematics to the problems of radioactive waste disposal .. 55(3/4): 215–225
Stuckless, J.S., see Smellie, J.A.T. and Stuckless, J.S. ..... 51(1/2): 55– 78
Stumm, W., Redox processes catalyzed by hydrous oxide surfaces ..... 70(1/2): 81
Stumm, W., see Wehrli, B. et al. ..... 78(3/4): 167–179
Stumm, W., see Wersin, P. et al. ..... 84(1/4): 210–211
Stumm, W., see Wersin, P. et al. ..... 90(3/4): 233–252
Stumm, W., see Grenthe, I. et al. ..... 98(1/2): 131–150
Sturchio, N.C., see Tammemagi, H.Y. et al. ..... 55(3/4): 375–385
Sturchio, N.C., see Abrajano, T.A. et al. ..... 71(1/3): 211–222
Sturm, M., see Wan, G.J. et al. ..... 63(3/4): 181–196
Subasinghe, S.M.N.D., see Dahanayakae, K. and Subasinghe, S.M.N.D. ..... 84(1/4): 42– 44
Subba Rao, D.V., see Uday Raj, B. et al. ..... 70(1/2): 146
Subba Rao, M.V. and Divakara Rao, V., Chemical constraints on the origin of the charnockites in the Eastern Ghat mobile belt, India ..... 69(1/2): 37– 48
Subba Rao, M.V., see Naha, K. et al. ..... 70(1/2): 144
Subbarao, K.V., see Shankar, R. et al. ..... 63(3/4): 217–223
Subramanian, V., see Biksham, G. and Subramanian, V. ..... 70(3): 275–286
Subramanian, V., see Ramesh, R. et al. ..... 74(3/4): 331–341
Subramanian, V., see Chakrapani, G.J. and Subramanian, V. ..... 81(3): 241–253
Subramanium, R., see Clauer, N. et al. ..... *80(1): 27– 34
Subroto, E.A., Alexander, R. and Kagi, R.I., 30-Norhopanes: their occurrence in sediments and crude oils .. 93(1/2): 179–192
Suess, E., see Von Breymann, M.T. et al. ..... 70(4): 349–357
Suess, E., see Von Breymann, M.T. and Suess, E. ..... 70(4): 359–371
Sugisaki, R., see Yamamoto, K. et al. ..... 55(1/2): 61– 76
Sugisaki, R., see Matsubara, K. et al. ..... *86(4): 287–293
Sukhyar, R., see Vukadinovic, D. et al. ..... 70(1/2): 54
Sullivan, R.W., see Roddick, J.C. et al. ..... 97(1/2): 1– 8
Sulzberger, B., see Wehrli, B. et al. ..... 78(3/4): 167–179
Suman, D.O., see Bacon, M.P. and Suman, D.O. ..... 70(1/2): 108
Summield, G.B., The use of Th-230 and Ba as indicators of palaeoproductivity over a 300 kyr time scale — evidence from the NW Arabian Sea ..... 70(1/2): 112
Summons, R.E., see Hoffmann, C.F. et al. ..... 70(4): 287–299
Sun, B.N. and Baronnet, A., The role of transition element adsorption on growth kinetics of the phlogopite mica ..... 70(1/2): 82
Sun, B.N. and Baronnet, A., Hydrothermal growth of OH–phlogopite single crystals, II. Role of Cr and Ti adsorption on crystal growth rates ..... 78(3/4): 301–314
Sun, S.-S., Nesbitt, R.W. and McCulloch, M.T., Geochemistry and petrogenesis of Archaean and early Proterozoic siliceous high-Mg basalts ..... 70(1/2): 148
Sun, S.-S., see McDonough, W.F. and Sun, S.-S. ..... 70(1/2): 12
Sureau, J-F., see Bosch, B. et al. ..... 55(1/2): 31– 44
Surendra, M., see Balasubramaniam, K.S. et al. ..... 60(1/4): 227–235
Susak, N., see Crerar, D. et al. ..... 70(1/2): 159
Suter, M., see Bösinger, R. et al. ..... 70(1/2): 96
Suter, M., see Mangini, A. et al. ..... 70(1/2): 110
Sutherland Brown, A., see Barker, F. et al. ..... 75(1/2): 81–102
Suttner, L.J., see Cullers, R.L. et al. ..... 70(4): 335–348
Sutton, S.R., see River, J.L. et al. ..... 70(1/2): 179
Sutton, S.R., see Lu, F.-Q. et al. ..... 75(1/2): 123–143
Suzuki, K., Grain-boundary enrichment of incompatible elements in some mantle peridotites ..... 63(3/4): 319–334
Suzuki, K., see Saito, K. and Suzuki, K. ..... 70(1/2): 40
Suzuki, N., see Sakata, S. et al. ..... 74(3/4): 241–248
Suzuki, O., see Aravena, R. et al. ..... *79(1): 83– 91
Suzuki, T., see Akimoto, S. and Suzuki, T. ..... 71(4): 365

Suzuki, Y., see Koma, T. and Suzuki, Y. ... 68(3/4): 221–228
Svensson, U. and Dreybrodt, W., Dissolution kinetics of natural calcite minerals in CO_2–water systems approaching calcite equilibrium ... 100(1/2): 129–145
Swart, P.K., Sternberg, L.D.S.L., Steinen, R. and Harrison, S.A., Controls on the oxygen and hydrogen isotopic composition of the waters of Florida Bay, U.S.A. ... *79(2): 113–123
Swart, P.K., Burns, S.J. and Leder, J.J., Fractionation of the stable isotopes of oxygen and carbon in carbon dioxide during the reaction of calcite with phosphoric acid as a function of temperature and technique ... *86(2): 89– 96
Sweeney, R.E., Petroleum-related hydrocarbon seepage in a Recent North Sea sediment ... 71(1/3): 53– 64
Sweeney, R.J., Erlank, A.J. and Duncan, A.R., Petrogenesis of Sabie River Karoo basalts: inferences for mantle domains ... 70(1/2): 203
Sweeney, R.J., see Erlank, A.J. et al. ... 70(1/2): 202
Swinburne, N.H.M., Correlation of sequences of uppermost Cretaceous carbonates using Sr-isotope chronology ... 70(1/2): 17
Szafran, S., see Kotarba, M. et al. ... 64(3/4): 197–207
Szurgot, M., Growth anisotropy of Lopezite crystals ... 84(1/4): 329–330

Taboada, T., Romero, R. and Garcia-Paz, C., Weathering evolution of a biotite granite (El Pindo, Galicia, NW Spain) ... 84(1/4): 130–132
Taddeucci, A., see Andretta, D. et al. ... 70(1/2): 124
Taddeucci, A., see Andretta, D. et al. ... 70(1/2): 124
Taddeucci, A., see Andretta, D. et al. ... 70(1/2): 130
Tagami, T., Ito, H. and Nishimura, S., Thermal annealing characteristics of spontaneous fission tracks in zircon ... *80(2): 159–169
Taguchi, K., see Yamamoto, M. et al. ... 93(1/2): 193–206
Taib, N.I., see Ripley, E.M. and Taib, N.I. ... *73(4): 319–342
Tait, S. and Jaupart, C., The onset of compositional convection in viscous melts ... 70(1/2): 90
Takacs, I., see Kramer, J.R. et al. ... 84(1/4): 166–168
Takahashi, M., On the Na_2O content of convergent zone high-alumina basalts ... 68(1/2): 17– 29
Takahashi, M., see Sakata, S. et al. ... 74(3/4): 241–248
Takano, O., see Kuroda, Y. et al. ... *73(4): 343–352
Takaoka, N. and Miura, Y., Meteoritic nobel gas in K–T boundary ... 70(1/2): 121
Takaoka, N., see Kaneoka, I. and Takaoka, N. ... *52(1): 75– 95
Takaoka, N., see Kaneoka, I. et al. ... *59(1): 35– 42
Talbot, M.R., A review of the palaeohydrological interpretation of carbon and oxygen isotopic ratios in primary lacustrine carbonates ... *80(4): 261–279
Talma, A.S., see Harmer, R.E. et al. ... 70(1/2): 50
Tammemagi, H.Y., Haverslew, B. and Sturchio, N.C., Investigations of the Empire Creek stock, Montana, as an analogue to a nuclear waste repository ... 55(3/4): 375–385
Tanelli, G., see Cortecci, G. et al. ... *58(1/2): 121–128
Tanelli, G., see Cortecci, G. et al. ... 76(3/4): 249–257
Tani, B., see Bates, J.K. et al. ... 51(1/2): 79– 87
Tanweer, A., Hut, G. and Burgman, J.O., Optimal conditions for the reduction of water to hydrogen by zinc for mass spectrometric analysis of the deuterium content ... *73(2): 199–203
Taras, B.D. and Hart, S.R., Geochemical evolution of the New England seamount chain: Isotopic and trace-element constraints ... 64(1/2): 35– 54
Tardy, Y., *Practical Estuarine Chemistry* by P.C. Head (Book Review) ... 56(3/4): 338
Tardy, Y., Gibbs free energy of formation of hydrated and dehydrated clay minerals ... 84(1/4): 255–258
Tardy, Y., Trolard, F., Roquin, C. and Novikoff, A., Distribution of hydrated and dehydrated minerals in lateritic profiles and landscapes ... 84(1/4): 133–136
Tardy, Y., Kobilsek, B., Roquin, C. and Paquet, H., Influence of Periatlantic climates and paleoclimates on the distribution and mineralogical composition of bauxites and ferricretes ... 84(1/4): 179–182
Tardy, Y., see Darragi, F. and Tardy, Y. ... 63(1/2): 59– 72
Tardy, Y., see Freyssinet, Ph. et al. ... 84(1/4): 58– 60
Tardy, Y., see Roquin, C. et al. ... 84(1/4): 124–127
Tarney, J., see Storey, M. et al. ... 70(1/2): 57
Tarrida, M. and Richet, P., Room-temperature equation of state of $CaSiO_3$ perovskite ... 71(4): 369
Tassé, N. and Schrijver, K., Formation of accessory sphalerite by thermochemical sulphate reduction in Lower Paleozoic carbonate rocks (St. Lawrence Lowlands, Québec, Canada) ... *80(1): 55– 70
Tassinari C.C.G., see Barreto, P.M.C. et al. ... 70(1/2): 191
Tatsumi, Y., Nohda, S. and Ishizaka, K., Secular variation of magma source compositions beneath the Northeast Japan arc ... 68(3/4): 309–316
Tatsumi, Y., see Nohda, S. et al. ... 68(3/4): 317–327
Tatsumoto, M., see Hinkley, T.K. et al. ... 70(3): 235–248

Tatsumoto, M., see Philpotts, J. et al. ..... 90(3/4): 177–188
Taub, F.B., *Large Lakes — Ecological Structure and Function* by M.M. Tilzer and C. Serruya (Editors) (Book Review) ..... 92(4): 363–364
Tauber, P. and Arndt, J., The relationship between viscosity and temperature in the system anorthite–diopside ..... 62(1/2): 71– 81
Taufen, P.M., see Oostindiër, J. et al. ..... 81(3): 209–220
Taulelle, F., see Coté, B.B. et al. ..... 96(3/4): 367–370
Taylor, B.E., see Al-Aasm, I.S. et al. ..... *80(2): 119–125
Taylor, G., Truswell, E.M., Eggleton, R.A. and Musgrave, R., Cool climate bauxite ..... 84(1/4): 183–184
Taylor, Jr., H.P., see Gregory, R.T. et al. ..... 75(1/2): 1– 42
Taylor, P.N. and Kalsbeek, F., Dating the metamorphism of Precambrian marbles: Examples from Proterozoic mobile belts in Greenland ..... *86(1): 21– 28
Taylor, P.N., Kramers, J.D., Moorbath, S., Wilson, J.F., Orpen, J.L. and Martin, A., Pb/Pb, Sm–Nd and Rb–Sr geochronology in the Archean Craton of Zimbabwe ..... *87(3/4): 175–196
Taylor, P.N., Kalsbeek, F. and Bridgwater, D., Discrepancies between neodymium, lead and strontium model ages from the Precambriam of southern East Greenland: Evidence for a Proterozoic granulite-facies event affecting Archaean gneisses ..... *94(4): 281–191
Taylor, P.N., see Moorbath, S. et al. ..... 57(1/2): 63– 86
Taylor, P.N., see Nutman, A.P. et al. ..... 70(1/2): 143
Taylor P.N., see Moorbath, S. et al. ..... 70(1/2): 145
Taylor, P.N., see Wilson, N. et al. ..... 70(1/2): 146
Taylor, R.P., Ikingura, J.R., Fallick, A.E., Yiming, H. and Watkinson, D.H., Stable isotope compositions of tourmalines from granites and related hydrothermal rocks of the Karagwe–Ankolean belt, northwest Tanzania ..... *94(3): 215–227
Taylor, R.P., see Fryer, B.J. and Taylor, R.P. ..... 63(1/2): 101–108
Taylor, R.P., see Holtz, F. et al. ..... 96(3/4): 289–302
Taylor, S.R., see Price, R.C. et al. ..... 93(3/4): 245–265
Taylor, W.R. and Foley, S.F., Improved oxygen buffering techniques for C–O–H fluid saturated experiments at high pressure–temperature ..... 70(1/2): 160
Tazaki, K., Fyfe, W.S. and Dissanayake, C.B., Weathering of apatite under extreme conditions of leaching ... 60(1/4): 151–162
Tazaki, K., Lindenmayer, Z.G. and Fyfe, W.S., Formation of ultra-thin Cu–S films on minerals, a weathering product from silicate-facies iron formation, Salobo, Carajas, Brazil ..... 67(3/4): 285–294
Tazaki, K., Ferris, F.G., Wiese, R.G. and Fyfe, W.S., Iron and graphite associated with fossil bacteria in chert 95(3/4): 313–325
Tazaki, K., see Kronberg, B.I. et al. ..... 60(1/4): 79– 88
Tazaki, K., see Mann, H. et al. ..... 63(1/2): 39– 43
Tazaki, K., see Ferris, F.G. et al. ..... 74(3/4): 321–330
Tchoubar, D., see Bottero, J.-Y. et al. ..... 84(1/4): 308–310
Tedesco, D., see Allard, P. et al. ..... 70(1/2): 2
Tegtmeyer, A., see Kröner, A. et al. ..... 70(1/2): 146
Teigler, B., see Eales, H.V. et al. ..... 88(3/4): 261–278
Ten Haven, H.L., Konings, R., Schoonen, M.A.A., Jansen, J.B.H., Vriend, S.P., Van der Weijden, C.H. and Buitenkamp, J., Geochemical studies in the drainage basin of Rio Vouga (Portugal), II. A model for the origin of hydrothermal water in the Vouzela region ..... 51(3/4): 225–238
Ten Haven, H.L., Baas, M., De Leeuw, J.W., Schenck, P.A. and Brinkhuis, H., Late Quaternary Mediterranean sapropels, II. Organic geochemistry and palynology of S_1 sapropels and associated sediments ..... 64(1/2): 149–167
Teng, R., see Fehn, U. et al. ..... 70(1/2): 135
Tenginkai, S.G., see Mookherjee, A. and Tenginkai, S.G. ..... 60(1/4): 51– 62
Teperberg, M., see Katz,A. et al. ..... 70(1/2): 10
Tepperberg, M., see Vengosh, A. et al. ..... *65(3/4): 235–253
Terakado, Y. and Masuda, A., Trace-element variations in acidic rocks from the Inner Zone of southwest Japan ..... 67(3/4): 227–241
Terakado, Y. and Masuda, A., The coprecipitation of rare-earth elements with calcite and aragonite ..... 69(1/2): 103–110
Terashima, M., Abundance of acidic amino acids and non-protein amino acids in carbonates and muddy sediments, and their relationship to diagenetic decomposition ..... 90(1/2): 123–131
Terasmae, J., see Wassenaar, L.I. et al. ..... *73(3): 221–231
Termier, H., *Hydrothermal Processes at Seafloor Spreading Centers* by P.A. Rona, K. Böström, L. Laubier and K.L. Smith, Jr. (Editors) (Book Review) ..... 54(1/2): 180–181
Teschner, M., see Dill, H. et al. ..... 67(3/4): 302–325
Tessadri, R., see Mogessie, A. et al. ..... 51(1/2): 103–113
Textoris, D.A., see Parker, W.C. et al. ..... 53(1/2): 83– 94
Tham, F.S., see Sternbach, C.A. et al. ..... 51(3/4): 165–174

Thellier, C. and Clauer, N., Strontium isotopic evidence for soil–solution interactions during evaporation experiments ..... *73(4): 299–306
Thieblemont, D. and Cabanis, B., Discrimination of acidic magmatic rocks using a Rb–Tb–Ta diagram. Petrogenetic implications ..... 70(1/2): 18
Thieblemont, D., see Cabanis, B. and Thieblemont, D. ..... 70(1/2): 5
Thinon, M., see Magnin, F. et al. ..... 84(1/4): 173–175
Thirlwall, M.F., High-precision multicollector isotopic analysis of low levels of Nd as oxide ..... *94(1): 13– 22
Thirlwall, M.F., Long-term reproducibility of multicollector Sr and Nd ratio analysis ..... *94(2): 85–104
Thirlwall, M.F., see Holm, P.M. et al. ..... 70(1/2): 49
Thirlwall, M.F., see Storey, M. et al. ..... 70(1/2): 57
Thirlwall, M.F., see Jochum, K.P. et al. ..... 81(1/2): 1– 16
Thiry, M., see Hauff, P.L. et al. ..... 84(1/4): 267–270
Thiry, M., see Ribet, I. and Thiry, M. ..... 84(1/4): 316–320
Thode. H.G., In Memorium Charles Edward Rees (1939–1984) (Obituary) ..... *52(3/4): 273–274
Thomas, A., see Chester, R. et al. ..... 54(1/2): 1– 15
Thomas, F., Bottero, J.-Y., Masion, A. and Genevrier, F., Mechanisms of aluminium III hydrolysis with acetic acid oxalic acid ..... 84(1/4): 227–230
Thompson, A.B., Announcement: European Association for Geochemistry ..... 51(1/2): 1
Thompson, A.B. and Connolly, J.A.D., Generation and migration of deep crustal fluids during regional metamorphism ..... 70(1/2): 165
Thompson, A.C., see Frantz, J.D. et al. ..... 69(3/4): 235–244
Thompson, G., see Lalou, C. et al. ..... 70(1/2): 128
Thompson, R.N. and Morrison, M.A., Asthenospheric and lower-lithospheric mantle contributions to continental extensional magmatism: An example from the British Tertiary Province ..... 68(1/2): 1– 15
Thompson, R.N., see Storey, M. et al. ..... 70(1/2): 57
Thompson, R.N., see Leat, P.T. et al. ..... 81(1/2): 23– 43
Thornber, M.R., Supergene alteration of sulphides, VII. Distribution of elements during the gosssan-forming process ..... 53(3/4): 279–301
Thornton, E.C., see Seyfried, Jr., W.E. et al. ..... 53(1/2): 135–153
Threlkeld, C.N., see Rice, D.D. et al. ..... 71(1/3): 149–157
Thurman, E.M., *Surface and Colloid Chemistry in Natural Waters and Water Treatment* by R. Beckett (Editor) (Book Review) ..... 95(3/4): 362–363
Tianbao, Bai, see Bin, Zhao et al. ..... 70(1/2): 166
Tiercelin, J.-J., see France-Lanord, C. et al. ..... 84(1/4): 368–370
Tietz, G.F., Mineral distribution and feldspar weathering in a saprolite from northeastern Nigeria ..... 60(1/4): 163–176
Tietze, K., see Botz, R. et al. ..... 69(3/4): 299–308
Tietze, K., see Schoell, M. et al. ..... 71(1/3): 257–265
Tilton, G.R. and Kwon, S.-T., Crust–mantle evolution in the Canadian Shield ..... 70(1/2): 74
Tilton, G.R. and Kwon, S.-T., Isotopic evidence for crust–mantle evolution with emphasis on the Canadian Shield ..... 83(3/4): 149–163
Tindle, A.G., see Potts, P.J. and Tindle, A.G. ..... 83(1/2): 39– 45
Tindle, A.G., see Sheraton, J.W. et al. ..... 97(3/4): 163–198
Tingate, P.R., see Green, P.F. et al. ..... *59(4): 237–253
Tirira, J., see Metrich, N. et al. ..... 70(1/2): 177
Tistl, M., see Hein, U.F. and Tistl, M. ..... 61(1/4): 183–192
Tlig, S., Fish debris as chemical scavengers of zirconium and lanthanum in oceanic environments — Zr and Hf fractionation in marine phosphates ..... 69(1/2): 59– 71
Tlig, S., Sassi, A., Belayouni, H. and Michel, D., Distributions de l'uranium, du thorium, du zirconium, du hafnium et des terres rares (TR) dans des grains de phosphates sédimentaires. (Uranium, thorium, zirconium, hafnium and rare-earth element (REE) distributions in size fractions of sedimentary phospates) 62(3/4): 209–221
Todt, W., see Kröner, A. et al. ..... 70(1/2): 146
Toft, J., see Zeck, M.P. et al. ..... 67(1/2): 141–153
Togashi, S., Sr variation by fractional crystallization for volcanic rocks from island arcs and continental margins 51(1/2): 41– 53
Toghill, P., see Odin, G.S. et al. ..... *59(2/3): 127–131
Tokuyama, A., see Minato, H. et al. ..... 60(1/4): 73– 78
Tole, M.P., Thermodynamic and kinetic aspects of formation of bauxites ..... 60(1/4): 95–100
Toledo-Groke, M.-C., see Flicoteaux, R. et al. ..... 84(1/4): 365–367
Tolomeo, L., see Barbieri, M. et al. ..... *66(3/4): 273–278
Tolomeo, L., see Francalanci, L. et al. ..... *73(2): 109–124
Tolstikhin, I.N., see Polyak, B.G. and Tolstikhin, I.N. ..... *52(1): 9– 33
Tolstikhin, I.N., see Azbel, I.Ya. and Tolstikhin, I.N. ..... *52(1): 35– 44

Tolstikhin, I.N., see Azbel, I.Ya. and Tolstikhin, I.N. ..... 70(1/2): 41
Tommasini, S., see Poli, G. and Tommasini, S. ..... 92(1/3): 87–105
Topp, S.E., Salbu, B., Roaldset, E. and Jørgensen, P., Vertical distribution of trace elements in laterite soil (Suriname) — Reply (Discussion) ..... 56(1/2): 161–163
Torelli, L., see Compagnoni, R. et al. ..... 77(3/4): 375–398
Torgersen, T., The atmospheric helium budget: Implications with respect to terrestrial degassing processes ... 70(1/2): 42
Torgersen, T., Terrestrial helium degassing fluxes and the atmospheric helium budget: Implications with respect to the degassing processes of continental crust ..... *79(1): 1– 14
Torgersen, T. and Chivas, A.R., Terrestrial organic carbon in marine sediment: A preliminary balance for a mangrove environment derived from ^{13}C ..... *52(3/4): 379–390
Torgersen, T., Kennedy, B.M., Hiyagon, H., Chiou, K.Y., Reynolds, J.H. and Clarke, W.B., Argon accumulation and the crustal degassing flux of ^{40}Ar in the Great Artesian Basin, Australia ..... 70(1/2): 42
Torssander, P., see Rickard, D. and Torssander, P. ..... 70(1/2): 137
Torssander, P., see Marty, B. et al. ..... 91(3): 207–225
Tosiani, D.T., Lo Monaco, S. and Ramirez, A., Geochemistry of major and trace elements in Los Pijiguaos bauxite ore, Venezuela ..... 84(1/4): 137–138
Totland, M., Jarvis, I. and Jarvis, K.E., An assessment of dissolution techniques for the analysis of geological samples by plasma spectrometry ..... 95(1/2): 35– 62
Tourpin, S., Gruau, G., Blais, S. and Fourcade, S., Resetting of REE, and Nd and Sr isotopes during carbonitization of a komatiite flow from Finland ..... 90(1/2): 15– 29
Tourpin, S., see Gruau, G. et al. ..... 70(1/2): 144
Toutain, J.P., Delorme, H., Robaye, G. and Quisefit, J.P., Mineralogy and geochemistry of Piton de la Fournaise sublimates ..... 70(1/2): 155
Toutain, J.P., see Quisefit, J.P. et al. ..... 70(1/2): 155
Towner, J., see Chester, R. et al. ..... 54(1/2): 1– 15
Toyoda, K. and Masuda, A., Sedimentary environments and chemical composition of Pacific pelagic sediments ..... 88(1/2): 127–141
Travi, Y., see Fontes, J.Ch. et al. ..... 71(4): 367
Traxel, K., see Horn, E.E. and Traxel, K. ..... 61(1/4): 29– 35
Tredoux, M., Verhagen, B.Th., Hart, R.J., De Wit, M.J., Smith, C.B., Perch-Nielsen, K. and Sellschop, J.P.F., Geochemical comparison of K–T boundaries from the northern and southern hemispheres ..... 70(1/2): 121
Tredoux, M., see De Wit, M.J. and Tredoux, M. ..... 70(1/2): 148
Tredoux, M., see Verhagen, B.Th. et al. ..... *80(4): 319–325
Tredoux, M., see Hart, R.J. et al. ..... 82(1/2): 21– 50
Tremaine, P.R., see Nguyen-Trung, C. et al. ..... 70(1/2): 190
Treuil, M. and Joron, J.L., "Hygromagmaphile" or "incompatible" character? and trace elements distributions during alteration and metamorphic processes ..... 70(1/2): 18
Treuil, M., see Joron, J.L. and Treuil, M. ..... 70(1/2): 87
Treuil, M., see Joron, J.L. and Treuil, M. ..... 70(1/2): 175
Treuil, M., see Bienvenu, P. et al. ..... 82(1/2): 1– 14
Treuil, M., see Béziat, D. et al. ..... 89(3/4): 243–262
Tribuzio, R., see Vannucci, R. et al. ..... 92(1/3): 115–133
Tricot, Ch., see Marsiat, I. et al. ..... 71(4): 368
Trier, R.M., see Herczeg, A.L. et al. ..... *72(2): 181–196
Trocellier, P., see Metrich, N. et al. ..... 70(1/2): 177
Trolard, F., Bilong, P., Guillet, B. and Herbillon, A.J., Halloysite–kaolinite–gibbsite–boehmite: A thermodynamical modelisation of equilibria as function of water and dissolved silica activities ..... 84(1/4): 294–297
Trolard, F., see Tardy, Y. et al. ..... 84(1/4): 133–136
Troll, G., see Sauerer, A. and Troll, G. ..... 70(1/2): 15
Trone, P.M., see Cummings, M.L. et al. ..... 75(1/2): 61– 79
Trouiller, A., see Meunier, J.D. et al. ..... 70(1/2): 189
Truckenbrodt, W., see Hieronymus, B. et al. ..... 84(1/4): 74– 77
Truesdell, A.H., see Des Marais, D.J. et al. ..... 71(1/3): 159–167
Trull, T.W., see Kurz, M.D. et al. ..... 70(1/2): 39
Truswell, E.M., see Taylor, G. et al. ..... 84(1/4): 183–184
Tsukamoto, M. and Ohe, T., Intraparticle diffusion of cesium and strontium cations into rock materials ..... 90(1/2): 31– 44
Tsvetkov, A.A., see Zhuravlev, D.Z. et al. ..... *66(3/4): 227–243
Tu, K., Flower, M.F.J. and Carlson, R.W., Isotopic evidence for the Dupal anomaly in post-spreading magmas from the South China Basin ..... 70(1/2): 57
Tu, K., Flower, M.F.J., Carlson, R.W., Xie, G., Chen, C.-Y. and Zhang, M., Magmatism in the South China Basin, 1. Isotopic and trace-element evidence for an endogenous Dupal mantle component ..... 97(1/2): 47– 63
Tu, K., see Flower, M.F.J. et al. ..... 70(1/2): 87

Tu, K., see Flower, M.F.J. et al. ... 97(1/2): 65– 87
Tucker, R., see Krogh, T.E. and Tucker, R. ... 70(1/2): 70
Tullai, S., see Fehn, U. et al. ... 70(1/2): 135
Tullborg, E.-L., The influence of recharge water on fissure-filling minerals — A study from Klipperås, southern Sweden ... 76(3/4): 309–320
Tullborg, E.-L., Larson, S.Å. and Landström, O., Hydrogen isotope exchange and REE redistribution through a rock surface in the Bohus granite, southwest Sweden ... 69(1/2): 49– 57
Turcotte, D.L. and Kellogg, L.H., Isotopic consequences of chaotic mantle mixing ... 70(1/2): 57
Turcotte, D.L., see Deloule, E. and Turcotte, D.L. ... 70(1/2): 134
Turekian, K.K., Esser, B.K. and Ravizza, G.E., The causes for variations in $^{187}Os/^{186}Os$ at the Cretaceous–Tertiary boundary ... 71(4): 370
Turekian, K.K., Esser, B., Martin, C. and Ravizza, G., The behaviours of Re and Os in crust formation and mobilization as inferred from the study of $^{187}Os/^{186}Os$ ... 84(1/4): 343
Turekian, K.K., see Graustein, W.C. and Turekian, K.K. ... 70(1/2): 98
Turi, B., see Allard, P. et al. ... 70(1/2): 2
Turi, B., see Petrucci, E. et al. ... 70(1/2): 164
Turi, B., see Ludwig, K.R. and Turi, B. ... *79(2): 147–153
Turley, C.M., Phytodetritus on the sea bed in the N.E. Atlantic at 4,500 m ... 70(1/2): 199
Turner, G. and Bannon, M.P., ^{40}Ar–^{39}Ar Analysis of fluid inclusions in quartz and fluorite associated with mineralisation ... 70(1/2): 132
Turner, G., Wang, S., Burgess, R. and Bannon, M., Argon and other noble gases in fluid inclusions ... 70(1/2): 42
Turner, G., Burgess, R., Laurenzi, M., Kelley, S. and Harris, J., ^{40}Ar–^{39}Ar laser probe dating of individual inclusions in diamonds ... 70(1/2): 142
Turner, G., see Wang, S. et al. ... 70(1/2): 18
Turner, P.J., see Palacz, Z.A. et al. ... 70(1/2): 177
Turner, R.J.W., Formation of Phanerozoic stratiform sediment-hosted zinc–lead deposits: Evidence for the critical role of ocean anoxia ... 99(1/3): 165–188
Turpault, M.P., Berger, G. and Meunier, A., Chemical mass balance of a zoned alteration around phengite vein in granite ... 70(1/2): 165
Turpin, L., Rocchia, R., Renard, M. and Boclet, D., Isotopic (Sr, Nd) and chemical variations across the K–T boundary ... 70(1/2): 121
Turpin, L., Clauer, N., Forbes, P. and Pagel, M., U–Pb, Sm–Nd and K–Ar systematics of the Akouta uranium deposit, Niger ... *87(3/4): 217–230
Turpin, L., Leroy, J.L. and Sheppard, S.M.F., Isotopic systematics (O, H, C, Sr, Nd) of superimposed barren and U-bearing hydrothermal systems in a Hercynian Granite, Massif Central, France ... 88(1/2): 85– 98
Turpin, L., see Leroy, J.L. and Turpin, L. ... 68(3/4): 239–351
Turpin, L., see Dosso, L. et al. ... 70(1/2): 47
Turq, P., see Simonin, J.P. et al. ... 70(1/2): 82
Turq, P., see Simonin. J.P. et al. ... 78(3/4): 343–356
Tuttas, D., see McDermott, F. et al. ... 70(1/2): 128
Twickler, M.S., see Spencer, M.J. et al. ... 70(1/2): 104

Uday Raj, B., Srinivasan, R., Subba Rao, D.V., Naqvi, S.M., Balaram, V. and Gnaneshwar Rao, T., Geochemistry of the Archaean greywackes from the northwestern part of Chitradurga schist belt, Dharwar craton, South India — evidence for granitoid upper crust in the Archaean ... 70(1/2): 146
Ueda, A., Campbell, F.A., Krouse, H.R. and Spencer. R.J., $^{34}S/^{32}S$ variations in trace sulphide and sulphate in carbonate rocks of a Devonian reef, Alberta, Canada, and the Precambrian Siyeh Formation, Montana, U.S.A. ... *65(3/4): 383–390
Ukpong, E.E., see Akpanika, O.I. et al. ... 63(1/2): 109–119
Underwood, J.H., see Frantz, J.D. et al. ... 69(3/4): 235–244
Ungerer, C.A., see Von Breymann, M.T. et al. ... 70(4): 349–357
Upton, B.G.J., see Kaneoka, I. et al. ... *59(1): 35– 42
Urabe, T., see Grimaud, D. et al. ... 93(3/4): 209–218
Urbani, F., see Sagna, I. et al. ... 70(1/2): 15
Usdowski, E. and Hoefs, J., $^{13}C/^{12}C$ fractionation during the chemical absorption of CO_2 gas by the NH_3–NH_4Cl buffer ... *73(1): 79– 85
Usdowski, E. and Hoefs, J., Kinetic $^{13}C/^{12}C$ and $^{18}O/^{16}O$ effects upon dissolution and outgassing of CO_2–H_2O in the system CO_2–H_2O ... *80(2): 109–118
Usdowski, E., see Kirchhoff, A. and Usdowski, E. ... 70(1/2): 79
Usdowski, E., see Dreybrodt, W. et al. ... 97(3/4): 285–294
Uzaki, M., see Fukushima, K. et al. ... 64(1/2): 169–179

Uzaki, M., see Fukushima, K. et al. ..... 76(1/2): 131–141

Vaasjoki, M., see Gulson, B.L. et al. ..... *59(4): 273–282
Vachette, M., see Marinho, M. et al. ..... 71(4): 368
Vaive, J.E., see Hall, G.E.M. and Vaive, J.E. ..... 97(3/4): 295–306
Vallier, T.L., Jenner, G.A., Frey, F.A., Gill, J.B., Davis, A.S., Volpe, A.M., Hawkins, J.W., Morris, J.D., Cawood, P.A., Morton, J.L., Scholl, D.W., Rautenschlein, M., White, W.M., Williams, R.W., Stevenson, A.J. and White, L.D., Subalkaline andesite from Valu Fa Ridge, a back-arc spreading center in southern Lau Basin: petrogenesis, comparative chemistry, and tectonic implications ..... 91(3): 227–256
Van Bergen, M.J., Kreulen, R., see Poorter, R.P.E. et al. ..... 76(3/4): 215–228
Van Breemen, N., see Jongmans, A.G. et al. ..... 84(1/4): 83– 85
Van Breemen, N., see Van Dooremolen, W.A. et al. ..... 84(1/4): 139–141
Van Calsteren, P., see Hawkesworth, C.J. et al. ..... 70(1/2): 51
Van Calsteren, P., see McDermott, F. et al. ..... 70(1/2): 128
Van Calsteren, P.W., Kempton, P.D. and Hawkesworth, C.J., Depletion of U in the lower crust: Evidence from granulite xenoliths from southern Africa ..... 70(1/2): 74
Van Cappellen, P. and Berner, R.A., Crystal growth of marine apatite ..... 84(1/4): 331–333
Van Cappellen, P., see Steefel, C.I. et al. ..... 84(1/4): 322–325
Van Cappellen, Ph. and Berner, R.A., Mechanism and kinetics of marine apatite formation ..... 70(1/2): 82
Van Cleve, K., see Marion, G.M. et al. ..... *86(2): 97–110
Van den haute, P., Apatite fission-track dating applied to Precambrian terranes ..... 57(1/2): 155–165
Van den haute, A., see De Corte, F. et al. ..... *86(3): 187–194
Van den haute, P., Jonckheere, R. and De Corte, F., Thermal neutron fluence determination for fission-track dating with metal activation monitors: A re-investigation ..... *73(3): 233–244
Van der Flier-Keller, E., see Goodarzi, F. and Van der Flier-Keller, E. ..... 75(3): 227–247
Van der Merwe, N.J., see Quade, J. et al. ..... *94(3): 183–192
Van der Plicht, J., see Heijnis, H. and Van der Plicht, J. ..... *94(3): 161–171
Van der Sloot, H.A., see Van der Weijden, C.H. et al. ..... 70(1/2): 19
Van der Sloot, H.A., see Van der Weijden, C.H. et al. ..... 70(1/2): 19
Van der Sloot, H.A., see Van der Weijden, C.H. et al. ..... 70(1/2): 199
Van der Weijden, C.H. and Middelburg, J.J., Hydrogeochemical factors controlling the inorganic composition of the river Rhine ..... 70(1/2): 18
Van der Weijden, C.H., De Lange, G.J., Middleburg, J.J. and Van der Sloot, H.A., The chemical composition of the hypersaline anoxic Tyro and Bannock Basins in the Eastern Mediterranean ..... 70(1/2): 19
Van der Weijden, C.H., Hoede, D., Middelburg, J.J., Van der Sloot, H.A. and Wijkstra, J., Arsenic, antimony and vanadium in the North Atlantic ..... 70(1/2): 19
Van der Weijden, C.H., De Lange, G.J., Middelburg, J.J. and Van der Sloot, H.A., Some marine geochemical aspects of Kau Bay: a tropical fjord-like anoxic basin ..... 70(1/2): 199
Van der Weijden, C.H., see Ten Haven, H.L. et al. ..... 51(3/4): 225–238
Van der Weijden, C.H., see Middelburg, J.J. et al. ..... 68(3/4): 253–273
Van der Weijden, C.H., see Comans, R.N.J. et al. ..... 70(1/2): 194
Van der Weijden, C.H., see Comans, R.N.J. et al. ..... 70(1/2): 195
Van der Wijk, A., El-Daoushy, F., Arends, A.R. and Mook, W.G., Dating peat with U/Th disequilibrium: some geochemical considerations ..... *59(4): 283–292
Van Der Flier-Keller, E., see Goodarzi, F. and Van Der Flier-Keller, E. ..... 70(4): 313–333
Van Dijk, C., see Comans, R.N.J. et al. ..... 70(1/2): 194
Van Doesburg, J.D.J., see Jongmans, A.G. et al. ..... 84(1/4): 83– 85
Van Dooremolen, W.A., Wielemaker, W.G., Van Breemen, N., Meijer, E.M. and Van Reeuwijk, L.P., Chemistry and mineralogy of andosols of various age in a soil chronosequence on andesitic lahars in Costa Rica .... 84(1/4): 139–141
Van Geen, A. and Boyle, E., Automation of trace-metal-clean column separation: application to trace metal pre-concentration from seawater ..... 70(1/2): 179
Van Geen, A. and Boyle, E., Source waters for the Atlantic inflow to the Mediterranean Sea ..... 70(1/2): 199
Van Grieken, R., see Bosch, B. et al. ..... 55(1/2): 31– 44
Van Grieken, R., see Ramesh, R. et al. ..... 74(3/4): 331–341
Van Herk, J., Pietersen, H.S. and Schuiling, R.D., Neutralization of industrial waste acids with olivine — The dissolution of forsteritic olivine at 40°–70°C ..... 76(3/4): 341–352
Van Herk, J., see Pietersen, H.S. et al. ..... 70(1/2): 14
Van Loon, G.W., see Beauchemin, D. et al. ..... 95(1/2): 187–198
Van Os, B.J.H., see Zuurdeeg, B.W. et al. ..... 70(1/2): 14
Van Pruissen, F.G.M., see Zuurdeeg, B.W. et al. ..... 70(1/2): 14
Van Reenen, D.D., see Barton, Jr., J.M. et al. ..... 70(1/2): 140

Van Reenen, D.D., see Barton, J.M. and Van Reenen, D.D. ..... 70(1/2): 141
Van Reeuwijk, L.P., see Van Dooremolen, W.A. et al. ..... 84(1/4): 139–141
Vance, D. and O'Nions, R.K., Chronometry of single zoned garnets: Constraints on growth kinetics and metamorphic histories ..... 70(1/2): 82
Vandamme, D., see Courtillot, Y. et al. ..... 70(1/2): 118
Vandelannoote, R., see Bosch, B. et al. ..... 55(1/2): 31– 44
Vander Auwera, J. and André, L., O, C and Sr isotopes as tracers of metasomatic fluids: application to the skarn deposit (Fe, Cu, W) of Traversella (Ivrea, Italy) ..... 70(1/2): 137
Vannucci, R., Tribuzio, R., Piccardo, G.B., Ottolini, L. and Bottazzi, P., SIMS analysis of REE in pyroxenes and amphiboles from the Proterozoic Ikasaulak intrusive complex (SE Greenland): implications for LREE enrichment processes during post-orogenic plutonism ..... 92(1/3): 115–133
Van 't Dack, L., see Bosch, B. et al. ..... 55(1/2): 31– 44
Van 't Dack, L., see Ramesh, R. et al. ..... 74(3/4): 331–341
Vaquer, R., see Lago, M. et al. ..... 70(1/2): 156
Varekamp, J.C., see Poorter, R.P.E. et al. ..... 76(3/4): 215–228
Varela-Alvarez, H., see Hoashi, M. et al. ..... 98(1/2): 1– 10
Varga, R.A., see Pracejus, B. et al. ..... 88(1/2): 143–149
Varnavas, S.P. and Cronan, D.S., Arsenic, antimony and bismuth in sediments and waters from the Santorini hydrothermal field, Greece ..... 67(3/4): 295–305
Vatin-Perignon, N., Evaluation of trace element models involving fractional crystallization and mixing processes for the eruptive products of the Nevado del Ruiz Volcano, Colombia ..... 70(1/2): 156
Vatin-Perignon, N., Vivier, G. and Goemans, P., Preliminary results on boron concentrations in some volcanic rocks along an Andean transverse between 16° and 18°S BU neutron capture prompt gamma-ray activation analysis ..... 70(1/2): 179
Veeh, H.H., see Ayliffe, L.K. and Veeh, H.H. ..... *72(3): 211–234
Veizer, J., Hinton, R.W., Clayton, R.N. and Lerman, A., Chemical diagenesis of carbonates in thin sections: Ion microprobe as a trace element tool ..... 64(3/4): 225–237
Velbel, M.A., Effect of chemical affinity on feldspar hydrolysis rates in two natural weathering systems ..... 78(3/4): 245–253
Velbel, M.A., Mechanisms of saprolitization, isovolumetric weathering and pseudomorphous replacement during rock weathering — A review ..... 84(1/4): 17– 18
Velde, B. and Couty, R., High-pressure infrared spectra of some silicate glasses ..... 62(1/2): 35– 41
Velde, D., see Caillet, C. et al. ..... 70(1/2): 30
Veldkamp, A., Prediction of bulk chemical composition of fluvial sands from grainsize data, Allier and Dore terrace sands, Limagne Rift Valley, France ..... 84(1/4): 208–209
Veldkamp, A. and Feijtel, T.C., Regional weathering modelling with bulk geochemistry: A case study for the Allier terrace sands, Limagne, France ..... 84(1/4): 142–144
Veldkamp, A. and Jongmans, A.G., Trachytic pumice weathering, Massif Central, France: Geochemistry and micromorphology ..... 84(1/4): 145–147
Veldkamp, A. and Jongmans, A.G., Weathering of alkali basalt gravel in two older Allier river terraces, Limagne, France ..... 84(1/4): 148–149
Vengosh, A., Kolodny, Y. and Tepperberg, M., Multi-phase oxygen analysis as a tracer of diagenesis: the example of the Mishash Formation, Cretaceous of Israel ..... *65(3/4): 235–253
Vengosh, A., Chivas, A.R. and McCulloch, M.T., Direct determination of boron and chlorine isotope compositions in geological materials by negative thermal-ionization mass spectrometry ..... *79(4): 333–343
Venneman, T.W. and Smith, H.S., The rate and temperature of reaction of ClF_3 with silicate minerals, and their relevance to oxygen isotope analysis ..... *86(1): 83– 88
Vergniolle, S., see Jaupart, C. and Vergniolle, S. ..... 70(1/2): 38
Verhagen, B.Th., Tredoux, M., Lindsay, N.M., Sellschop, J.P.F., von Salis Perch-Nielsen, A.K. and Koeberl, Chr., Implications of isotopic and other geochemical data from a Cretaceous–Tertiary transition in southern Africa ..... *80(4): 319–325
Verhagen, B.Th., see Tredoux, M. et al. ..... 70(1/2): 121
Verhague, I., see Benedetti, M. et al. ..... 84(1/4): 162–163
Vernieres, J., see Bodinier, J.L. et al. ..... 70(1/2): 152
Veron, A., see Lambert, C.E. et al. ..... 70(1/2): 11
Verschure, R.H., see Andriessen, P.A.M. et al. ..... 91(1): 33– 48
Vidal, P., see Rocaboy, A. et al. ..... 70(1/2): 56
Vidal, P., see Dupuy, C. et al. ..... 77(1): 1– 18
Vidal, Ph. and Hunziker, J.C., Systematics and problems in isotope work on eclogites ..... *52(2): 129–141
Vidal, Ph., see Smith, D.C. and Vidal, Ph. ..... *52(2): iii
Vidal, Ph., see Marinho, M. et al. ..... 71(4): 368
Vidal, Ph., see Nelson, B.K. and Vidal, Ph. ..... 83(3/4): ii

Vidal, Ph., see Sabaté, P. et al. ..... 83(3/4): 325–338
Vieillard, P., see Colin, F. and Vieillard, P. ..... 84(1/4): 38– 39
Vieillard, Ph., see Merceron, Th. et al. ..... 70(1/2): 163
Viera, M.C., see Marques, M. et al. ..... 84(1/4): 176–178
Villa, I., Ar diffusion in partially outgassed alkali feldspars: Insights from $^{40}Ar/^{39}Ar$ analysis — Comments (Discussion) ..... *73(3): 265–269
Villa, I.M., Excess Ar geochemistry and geochronology of a non-equilibrium Himalayan leucogranite ..... 70(1/2): 74
Villalba, R., see Mendelovici, E. et al. ..... 60(1/4): 177–184
Villemand, B. and Flehoc, C., U–Th–Ta fractionation in magma sources of the Italian K-rich volcanism. Constraints from distribution coefficients and Th–U disequilibrium studies ..... 70(1/2): 129
Villemant, B., U and Th radioactive disequilibrium series studied through low energy gamma spectrometry: Preliminary results and future prospects ..... 70(1/2): 130
Villemant, B., see Flehoc, C. and Villemant, B. ..... 70(1/2): 126
Vinyu, M.L. and Kramers, J.D., New Rb–Sr whole rock dates for some post-orogenic granites (S.L.) from the Shamvaharare greenstone belt, Zimbabwe ..... 70(1/2): 149
Virgo, D., see Mysen, B.O. and Virgo, D. ..... 57(3/4): 303–331
Virgo, D., see Mysen, B.O. and Virgo, D. ..... 57(3/4): 333–358
Virgo, D., see Dingwell, D.B. et al. ..... 70(1/2): 86
Virk, H.S., see Ramola, R.C. et al. ..... 70(1/2): 190
Visonà, D., Chilled margins and commingling of magmas in the Bressanone (Brixen) Hercynian granodiorites (Eastern Alps, northern Italy) ..... 56(1/2): 33– 44
Vittoz, P., see Oliver, R.A. et al. ..... 70(1/2): 177
Vivier, G., see Oliver, R.A. et al. ..... 70(1/2): 177
Vivier, G., see Vatin-Perignon, N. et al. ..... 70(1/2): 179
Vocke, Jr., R.D., see Skiöld, T. et al. ..... 69(3/4): 193–207
Vogel, J.S., see Brown, T.A. et al. ..... *52(3/4): 375–378
Vogel Koplitz, L., see Crerar, D. et al. ..... 70(1/2): 159
Volfinger, M. and Pascal, M.L., Cl–OH partitioning between phyllosilicates and HCl-buffered fluids: experimental data ..... 70(1/2): 165
Vollmer, R., On the origin of the Italian potassic magmas, 1. A discussion contribution ..... 74(3/4): 229–239
Vollmer, R., On the origin of the Italian potassic magmas — Reply (Discussion) ..... 85(1/2): 191–196
Volpe, A.M., see Vallier, T.L. et al. ..... 91(3): 227–256
Voltaggio, M., see Andretta, D. et al. ..... 70(1/2): 124
Voltaggio, M., see Andretta, D. et al. ..... 70(1/2): 124
Voltaggio, M., see Andretta, D. et al. ..... 70(1/2): 130
Von Blanckenburg, F., Combined high-precision chronometry and geochemical tracing using accessory minerals: applied to the Central-Alpine Bergell intrusion (central Europe) ..... 100(1/2): 19– 40
Von Blanckenburg, F., Stille, P., Diethelm, K. and Reusser, E., Variations of the initial Nd-, Sr-ratios in the Bergell Intrusive Sequence (E-Central Alps) ..... 70(1/2): 4
Von Breymann, M.T. and Suess, E., Magnesium in the marine sedimentary environment: Mg–NH_4 ion exchange ..... 70(4): 359–371
Von Breymann, M.T., Ungerer, C.A. and Suess, E., Mg–NH_4 exchange on humic acid: A radiotracer technique for conditional exchange constants in a seawater medium ..... 70(4): 349–357
Voncken, J.H.L., Vriend, S.P., Kocken, J.W.M. and Jansen, J.B.H., Determination of beryllium and its distribution in rocks of the Sn–W granite of Regoufe, northern Portugal ..... 56(1/2): 93–103
Vonderhaar, D.L., see McMurtry, G.M. et al. ..... 70(1/2): 120
von Gehlen, K., see Martens, R.M. et al. ..... 62(1/2): 49– 70
Von Quadt, A., see Nägler, Th.F. et al. ..... 70(1/2): 72
von Salis Perch-Nielsen, A.K., see Verhagen, B.Th. et al. ..... *80(4): 319–325
Vriend, S.P., see Ten Haven, H.L. et al. ..... 51(3/4): 225–238
Vriend, S.P., see Voncken, J.H.L. et al. ..... 56(1/2): 93–103
Vriend, S.P., see Zuurdeeg, B.W. et al. ..... 70(1/2): 14
Vriend, S.P., see Oostindiër, J. et al. ..... 70(1/2): 136
Vriend, S.P., see Oostindiër, J. et al. ..... 81(3): 209–220
Vroon, P.Z., see Poorter, R.P.E. et al. ..... 76(3/4): 215–228
Vucetich, C.G., see Stevens, K.F. and Vucetich, C.G. ..... 53(3/4): 237–247
Vugman, N.V., see Sousa, J.J.F. et al. ..... 63(1/2): 17– 20
Vukadinovic, D., Sukhyar, R. and Nicholls, J.A., Strontium and trace element evidence for involvement of "slab generated fluids" in Quaternary basalts from Central Java ..... 70(1/2): 54
Vuletich, A.K., see Rice, D.D. et al. ..... 71(1/3): 149–157
Vuorinen, A., see Lahermo, P. and Vuorinen, A. ..... 70(1/2): 11

Waboso, C.E., see Hayatsu, A. and Waboso, C.E. ..... *52(1): 97–102
Wachter, E.A. and Hayes, J.M., Exchange of oxygen isotopes in carbon dioxide–phosphoric acid systems .... *52(3/4): 365–374
Wada, K., Minerals formed and mineral formation from volcanic ash by weathering ..... 60(1/4): 17– 28
Waerenborgh, J.C., see Prudencio, M.I. et al. ..... 84(1/4): 246–248
Wagenbach, D., Münnich, K.O., Beer, J. and Wölfli, W., Time pattern of natural radionuclides in Antarctic aerosol and snow ..... 70(1/2): 105
Wagenbach, D., see Rudolph, J. et al. ..... 70(1/2): 104
Wagner, G.A., Apatite fission-track geochrono-thermometer to 60°C: Projected length studies ..... *72(2): 145–153
Wagner, G.A. and Hejl, E., Apatite fission-track age-spectrum based on projected track-length analysis ..... *87(1): 1– 9
Wagner, G.A., Gleadow, A.J.W. and Fitzgerald, P.G., The significance of the partial annealing zone in apatite fission-track analysis: Project track length measurements and uplift chronology of the Transantarctic Mountains ..... *79(4): 295–305
Wagner, G.A., see Zöller, L. et al. ..... *73(1): 39– 62
Wagner, G.H., Steele, K.F. and Zachry, D.L., Calculation and determination of Sr/Mg ratios and % diagenesis of some Carboniferous limestone units ..... 53(1/2): 71– 82
Wahlen, M., see Bösinger, R. et al. ..... 70(1/2): 96
Wakita, H., see Sano, Y. et al. ..... *52(1): 1– 8
Wakita, H., see Sano, Y. and Wakita, H. ..... *66(3/4): 217–226
Wakita, H., see Allard, P. et al. ..... 70(1/2): 2
Wakshal, E., $^{234}U/^{238}U$ disequilibrium within freshwater Karstig aquifers — the Galilee model, Israel ..... 70(1/2): 204
Wakshal, E. and Nielsen, H., $^{34}S/^{32}S$ within water resources of carbonate and basaltic aquifers, NE Israel ... 70(1/2): 204
Walde, D., see Hoefs, J. et al. ..... *65(3/4): 311–319
Walgenwitz, F., see Béziat, D. et al. ..... 89(3/4): 243–262
Walgewitz, F., see Girard, J.P. et al. ..... 70(1/2): 184
Walker, C.D. and Richardson, S.B., The use of stable isotopes of water in characterising the source of water in vegetation ..... *94(2): 145–158
Walker, R.J., Fassett, J.D. and Simons, D.S., Use of lasers in mass spectrometry with applications to geochemistry ..... 70(1/2): 180
Wall, V.J., see Nicholls, I.A. et al. ..... 70(1/2): 72
Wallin, E.T., see Matheney, R.K. et al. ..... *86(1): 29– 47
Walraven, F., Notes on the age and genetic relationships of the Makhutso Granite, Bushveld Complex, South Africa ..... *72(1): 17– 28
Walsh, J.N., Use of multiple internal standards for high-precision, routine analysis of geological samples by inductively coupled plasma–atomic emission spectrometry ..... 95(1/2): 113–121
Walsh, J.N., see McArthur, J.M. et al. ..... *65(3/4): 415–425
Walter, A.-V., Flicoteaux, R., Girard, J.P., Loubet, M. and Nahon, D., REE pattern in apatites from the Juquia carbonatite, Brazil ..... 84(1/4): 378–380
Walter, A.-V., see Flicoteaux, R. et al. ..... 84(1/4): 365–367
Walter, L.M. and Burton, E.A., The effect of orthophosphate on carbonate mineral dissolution rates in seawater ..... 56(3/4): 313–323
Walter, L.M., see Dromgoole, E.L. and Walter, L.M. ..... 81(4): 311–336
Walter, M., see Aleinikoff, J.N. et al. ..... *80(4): 351–363
Walter, P., see Mangini, A. et al. ..... 70(1/2): 110
Walther, J.V., see Webb, S.C. and Walther, J.V. ..... 70(1/2): 83
Walther, J.V., see Schott, J. et al. ..... 70(1/2): 164
Walther, J.V., see Brady, P.V. and Walther, J.V. ..... 82(3/4): 253–264
Walther, J.V., see Wogelius, R.A. and Walther, J.V. ..... 97(1/2): 101–112
Wampler, J.M. and Hassanipak, A.A., Methods for potassium–argon analysis of the water-soluble components of rock salt ..... 70(1/2): 180
Wampler, J.M., see Hassanipak, A.A. and Wampler, J.M. ..... 70(1/2): 37
Wampler, J.M., see Huff, G.F. and Wampler, J.M. ..... *80(4): 309–318
Wan, G.J., Santschi, P.H., Sturm, M., Farrenkothen, K., Lueck, A., Werth, E. and Schuler, Ch., Natural (^{210}Pb, ^{7}Be) and fallout (^{137}Cs, $^{239,240}Pu$, ^{90}Sr) radionuclides as geochemical tracers of sedimentation in Greifensee, Switzerland ..... 63(3/4): 181–196
Wang, A., see Landais, P. et al. ..... 70(1/2): 160
Wang, D., see Gao, S. et al. ..... 92(4): 261–282
Wang, J.X., see Chevallier, P. et al. ..... 70(1/2): 173
Wang, K., see Philpotts, J. et al. ..... 90(3/4): 177–188
Wang, S., Turner, G. and Burgess, R., An unusual ^{40}Ar–^{36}Ar age determination of illite encased in chert .... 70(1/2): 18
Wang, S., see Turner, G. et al. ..... 70(1/2): 42
Wang, Y., see Liebermann, R.C. et al. ..... 70(1/2): 62

Wangersky, P.J., *Marine Geochemistry* by P. Chester (Book Review) ..... 90(1/2): 170–171
Wänke, H., see Dreibus, G. and Wänke, H. ..... 70(1/2): 7
Wanty, R.B., see Zielinski, R.A. et al. ..... 62(3/4): 263–289
Wanty, R.B., see Breit, G.N. and Wanty, R.B. ..... 91(2): 83– 97
Ward, D.M., see Dobson, G. et al. ..... 68(1/2): 155–179
Ward, D.M., see Zeng, Y.B. et al. ..... 95(3/4): 327–345
Ward, D.M., see Zeng, Y.B. et al. ..... 95(3/4): 347–360
Wark, D.A., What can we learn from refractory metals in CAI's ..... 70(1/2): 33
Wassenaar, L.I., *Applied Isotope Hydrology — A Case Study in Northern Switzerland* by F.J. Pearson, Jr., W. Balderer, H.H. Loosli, B.E. Lehmann, A. Matter, Tj. Peters, H. Schmasmann and A. Gautschi (Editors) (Book Review) ..... *94(3): 245–246
Wassenaar, L.I., Brand, U. and Terasmae, J., Isotopic and elemental geochemistry of marine invertebrates from the Late Quaternary Fort Langley Formation and Capilano Sediments, southwestern British Columbia, Canada ..... *73(3): 221–231
Wassenaar, L.I., Aravena, R., Fritz, P. and Barker, J.F., Controls on the transport and carbon isotopic composition of dissolved organic carbon in a shallow groundwater system, Central Ontario, Canada ..... *87(1): 39– 57
Wasserburg, G.J., see Chen, J.H. and Wasserburg, G.J. ..... 70(1/2): 24
Wasserburg, G.J., see Spivack, A.J. et al. ..... 70(1/2): 155
Wasserburg, G.J., see Chen, J.H. and Wasserburg, G.J. ..... 70(1/2): 173
Watanabe, H., Thermal conductivity of mineral measures by laser flash calorimetry ..... 70(1/2): 90
Watanabe, K., Geochemical behaviour of iron and manganese ions in the Ningyo–Toge uranium deposit district, southwest Japan ..... 60(1/4): 299–307
Waters, D.J., see Moore, J.M. and Waters, D.J. ..... 85(1/2): 77–100
Waters, F.G., see Cohen, A.S. et al. ..... 70(1/2): 19
Waters, F.G., see Hawkesworth, C.J. et al. ..... 85(1/2): 19– 34
Watkins, P.J. and Nolan, J., Determination of rare-earth elements, yttrium, scandium and hafnium using cation-exchange separation and inductively coupled plasma–atomic emission spectrometry ..... 95(1/2): 131–139
Watkins, R.T., see Hurford, A.J. and Watkins, R.T. ..... *66(3/4): 209–216
Watkins, R.T., see Le Roex, A.P. and Watkins, R.T. ..... 88(1/2): 151–162
Watkinson, D.H., see Taylor, R.P. et al. ..... *94(3): 215–227
Watney, W.L., see Jenden, P.D. et al. ..... 71(1/3): 117–147
Watson, E.B., Ben Othman, D., Luck, J-M. and Hofmann, A.W., Partitioning of U, Pb, Cs, Yb, Hf, Re and Os between chromian diopsidic pyroxene and haplobasaltic liquid ..... 62(3/4): 191–208
Watson, G.S., see Kent, T.T. et al. ..... 70(1/2): 13
Watson, J.S., see Potts, P.J. et al. ..... 63(3/4): 345–354
Waychunas, G.A., see Brown, Jr., G.E. et al. ..... 70(1/2): 86
Webb, J.A., see Rock, N.M.S. et al. ..... *66(1/2): 163–177
Webb, P.C., see Potts, P.J. et al. ..... 63(3/4): 345–354
Webb, S.C. and Walther, J.V., Temperature dependence of kaolinite dissolution ..... 70(1/2): 83
Webb, S.L., The frequency dependence of viscosity and compressibility in silicate melts ..... 70(1/2): 91
Webb, S.L., Shear, volume, enthalpy and structural relaxation silicate melts ..... 96(3/4): 449–457
Webber, E., see Glikson, M. et al. ..... 53(1/2): 155–174
Weber, G., see Roelandts, I. et al. ..... 54(1/2): 35– 42
Webster, J.R. and Gilstrap, M.S., Matrix-independent separation of rare-earth elements and yttrium from geological material using constant calcium content–oxalate precipitation and cation exchange for determination by high-resolution inductively coupled plasma atomic emission spectrometry (ICP-AES) ... 85(3/4): 287–294
Wedepohl, K.H., see Muramatsu, Y. and Wedepohl, K.H. ..... 51(3/4): 289–301
Wedepohl, K.H., see Kramm, U. and Wedepohl, K.H. ..... 90(3/4): 253–262
Weerasooriya, S.V.R., see Dissanayake, C.B. and Weerasooriya, S.V.R. ..... 56(3/4): 257–270
Wefer, G. and Killingley, J.S., Carbon isotopes in organic matter from a benthic alga *Halimeda incrassata* (Bermuda): effects of light intensity ..... *59(4): 321–326
Wehner, H., see Dill, H. et al. ..... 67(3/4): 302–325
Wehrli, B., Sulzberger, B. and Stumm, W., Redox processes catalyzed by hydrous oxide surfaces ..... 78(3/4): 167–179
Weidner, D.J. and Yeganeh-Haeri, A., Elasticity of $MgSiO_3$ perovskite and chemistry of the lower mantle ... 70(1/2): 64
Weill, G., see Besson, J.M. et al. ..... 70(1/2): 60
Weis, D., Genetic inplications of Pb isotopic geochemistry in the Rogaland anorthositic complex (southwest Norway) ..... 57(1/2): 181–199
Weis, D., Liégeois, J.P. and Javoy, M., The Timedjelalen alkaline ring-complex and related N–S dyke swarms (Adrar des Iforas, Mali) — A Pb–Sr–O isotopic study ..... 57(1/2): 201–215
Weis, D., Gautier, I. and Mennessier, J.P., MD48 dredged basalts (S Indian Ocean) Nd, Sr, Pb isotopic study — Kerguelen type signature ..... 70(1/2): 58

Weis, D., Mennessier, J.P., Giret, A. and Gautier, I., Kerguelen Islands isotope geochemistry: Mantle origin and evidence for recycled material ... 70(1/2): 58
Weis, D., see Demaiffe, D. et al. ... 57(1/2): 167–179
Weis, D., see Hamilton, M.A. et al. ... 70(1/2): 71
Weis, D., see Hertogen, J. et al. ... 70(1/2): 153
Weisbrod, A., Chemical composition of hydrothermal fluids buffered by vein- and pegmatite-forming mineral assemblages: an experimental calibration at high temperatures and pressures ... 70(1/2): 166
Weisbrod, A., see Gang, Zhang Yi and Weisbrod, A. ... 70(1/2): 166
Weise, S.M. and Stichler, W., Helium flux values as result of groundwater dating ... 70(1/2): 42
Weise, S.M., see Sherwood, B. et al. ... 70(1/2): 40
Weise, S.M., see Sherwood, B. et al. ... 71(1/3): 223–236
Welch, A.H. and Lico, M.S., Aqueous geochemistry of ground water with high concentrations of arsenic and uranium, Carson River Basin, Nevada ... 70(1/2): 19
Welch, S., see Lyons, W.B. et al. ... 96(1/2): 115–132
Welhan, J.A., Origins of methane in hydrothermal systems ... 71(1/3): 183–198
Welhan, J.A., see Sherwood, B. et al. ... 70(1/2): 40
Welhan, J.A., see Sherwood, B. et al. ... 71(1/3): 223–236
Welin, E., see Miller, R.G. et al. ... 57(1/2): 87– 99
Welke, H.J., see Barton, E.S. et al. ... *59(4): 255–271
Welte, D.H., Schaefer, R.G. and Yalçin, M.N., Gas generation from source rocks: Aspects of a quantitative treatment ... 71(1/3): 105–116
Welte, D.H., see Stein, R. et al. ... 56(1/2): 1– 32
Welte, D.H., see Radke, M. et al. ... 93(3/4): 325–341
Wendt, I., Comparative Rb–Sr and U–Pb zircon geochronology of late- and post-tectonic plutons in the Winnipeg River belt, northwestern Ontario, Canada — Comments (Discussion) ... *79(1): 95
Wendt, I., The statistical distribution of the mean squared weighted deviation — Reply (Discussion) ... *94(3): 242–243
Wendt, I. and Carl, C., The statistical distribution of the mean squared weighted deviation ... *86(4): 275–285
Wendt, I., see Carl, C. et al. ... 70(1/2): 20
Wendt, J.I., see Carl, C. et al. ... 70(1/2): 20
Wenk, T., see Siegenthaler, U. and Wenk, T. ... 70(1/2): 203
Werner, M.L., Feldman, M.D. and Knauth, L.P., Petrography and geochemistry of water–rock interactions in Richton Dome cap rock (southeastern Mississippi), U.S.A. ... 74(1/2): 111–135
Wersin, P., Höhener, P., Giovanoli, R. and Stumm, W., A kinetic model for iron diagenesis in a lake sediment 84(1/4): 210–211
Wersin, P., Höhener, P., Giovanoli, R. and Stumm, W., Early diagenetic influences on iron transformations in a fresh-water lake sediment ... 90(3/4): 233–252
Werth, E., see Wan, G.J. et al. ... 63(3/4): 181–196
Wesselink, L.G., Aluminium weathering in soil acidification modelling ... 84(1/4): 150–152
West, W.R., see Wise, S.A. et al. ... 54(3/4): 339–357
Westrich, H.R., Determination of water in volcanic glasses by Karl–Fischer titration ... 63(3/4): 335–340
Westrich, H.R., see Casey, W.H. et al. ... 70(1/2): 77
Westrich, H.R., see Holdren, Jr., G.R. et al. ... 70(1/2): 79
Westrich, H.R., see Casey, W.H. et al. ... 78(3/4): 205–218
Westrich, H.R., see Casey, W.H. et al. ... 85(1/2): 197
Westrich, H.R., see Cygan, R.T. et al. ... 78(3/4): 229–244
Westrich, J.T., see Canfield, D.E. et al. ... 54(1/2): 149–155
Wetherbee, G.A., see Kimball, B.A. et al. ... 96(1/2): 227–239
Wheller, G.E., see Barling, J. et al. ... 70(1/2): 46
Wheller, G.E., see Foley, S.F. and Wheller, G.E. ... 85(1/2): 1– 18
White, A.F. and Peterson, M., The role of reactive surface areas in chemical weathering ... 84(1/4): 334–336
White, L.D., see Vallier, T.L. et al. ... 91(3): 227–256
White, L.D., see Alpers, C.N. et al. ... 96(1/2): 203–226
White, L.E., see Koepnick, R.B. et al. ... *58(1/2): 55– 81
White, W., μ in the depleted mantle and Pb isotopic evolution of the earth ... 70(1/2): 58
White, W.M., see Ito, E. et al. ... 62(3/4): 157–176
White, W.M., see Vallier, T.L. et al. ... 91(3): 227–256
Whitehead, N.E., Ditchburn, R.G., McCabe, W.J. and Rankin, P., A new model for the origin of the anomalous radioactivity in Niue Island (South Pacific) soils ... *94(4): 247–260
Whitehead, N.E., see Ikeya, M. et al. ... 56(3/4): 185–192
Whitehead, R.E.S., Davies, J.F. and Goodfellow, W.D., Isotopic evidence for hydrothermal discharge into anoxic seawater, Sudbury basin, Ontario, Canada ... *86(1): 49– 63

Whitehead, R.E.S., Davies, J.F. and Goodfellow, W.D., Lithogeochemical patterns related to sedex mineralization, Sudbury Basin, Canada ..... 98(1/2): 87–101
Whitehouse, M.J., Isotopic evolution of the southern Outer Hebridean Lewisian gneiss complex: Constraints on Late Archaean source regions and the generation of transposed Pb–Pb palaeoisochrons ..... *86(1): 1– 20
Whitford, D.J., Korsch, M.J., Porritt, P.M. and Craven, S.J., Rare-earth element mobility around the volcanogenic polymetallic sulfide deposit at Que River, Tasmania, Australia ..... 68(1/2): 105–119
Whitford, D.J., see Eberz, G.W. et al. ..... 85(1/2): 119–134
Wiedenbeck, M., see McCulloch, M.T. et al. ..... 70(1/2): 146
Wielemaker, W.G., see Van Dooremolen, W.A. et al. ..... 84(1/4): 139–141
Wieler, R., Pedroni, A. and Signer, P., Exposure history of constituents of asteroidal regoliths: Constraints imposed by cosmogenic noble gases ..... 70(1/2): 26
Wiese, Jr., R.G., Powell, M.A. and Fyfe, W.S., Spontaneous formation of hydrated iron sulfates on laboratory samples of pyrite- and marcasite-bearing coals ..... 63(1/2): 29– 38
Wiese, R.G., see Tazaki, K. et al. ..... 95(3/4): 313–325
Wiewióra, A. and Dubińska, E., Origin of minerals with intermediate chlorite–vermiculite structure (Szklary, Poland) ..... 60(1/4): 185–197
Wiggering, H., Removal of hydrogen sulfide from simulated Archean atmospheres by iron sulfide precipitation 85(3/4): 311–320
Wijkstra, J., see Van der Weijden, C.H. et al. ..... 70(1/2): 19
Wikberg, P., see Grenthe, I. et al. ..... 98(1/2): 131–150
Wilde, S.A., see Pidgeon, R.T. et al. ..... 70(1/2): 147
Wilkins, R.W.T., see Hladky, G. and Wilkins, R.W.T. ..... 61(1/4): 37– 45
Willgallis, A., see Buhl, J.-Chr. and Willgallis, A. ..... 56(3/4): 271–279
Williams, D.F., see Somayajulu, B.L.K. et al. ..... *86(3): 253–258
Williams, D.J.A., see Bryant, R. and Williams, D.J.A. ..... 62(3/4): 291–305
Williams, I., see Bibikova, E.V. et al. ..... 70(1/2): 141
Williams, I.S., see Gebauer, D. et al. ..... 70(1/2): 68
Williams, J.G., see Jarvis, K.E. and Williams, J.G. ..... 70(1/2): 175
Williams, J.G., see Jarvis, K.E. and Williams, J.G. ..... 77(1): 53– 63
Williams, Q. and Jeanloz, R., Coordination changes in glasses and static amorphization of crystalline silicates at high pressure ..... 70(1/2): 91
Williams, Q., see Knittle, E. et al. ..... 70(1/2): 62
Williams, R.W., see Collerson, K.D. et al. ..... 70(1/2): 125
Williams, R.W., see Gill, J.B. and Williams, R.W. ..... 70(1/2): 127
Williams, R.W., see Vallier, T.L. et al. ..... 91(3): 227–256
Williams, T.M. and Owen, R.B., Authigenesis of ferric oolites in superficial sediments from Lake Malawi, Central Africa ..... 89(1/2): 179–188
Willner, A., Schreyer, W. and Moore, J.M., Peraluminous metamorphic rocks from the Namaqualand Metamorphic Complex (South Africa): Geochemical evidence for an exhalation-related, sedimentary origin in a Mid-Proterozoic rift system ..... 81(3): 221–240
Willsch, H., see Radke, M. et al. ..... 93(3/4): 325–341
Wilmart, E., Duchesne, J.C. and Demaiffe, D., Geochemical, constraints on the genesis of the Tellnes ilmenite deposit and related rocks (S.W. Norway) ..... 70(1/2): 134
Wilson, A.H., see Naldrett, A.J. and Wilson, A.H. ..... 88(3/4): 279–300
Wilson, J.F., see Moorbath, S. et al. ..... 70(1/2): 145
Wilson, J.F., see Taylor, P.N. et al. ..... *87(3/4): 175–196
Wilson, M.J., see Bain, D.C. et al. ..... 84(1/4): 23– 24
Wilson, N., Moorbath, S., Taylor, P.N. and Barbosa, J., Archaean and early Proterozoic crustal evolution in the São Francisco craton, Bahia, Brazil ..... 70(1/2): 146
Wilson, R.E., see Price, R.C. et al. ..... 93(3/4): 245–265
Wilson, S.M., Hoashi, M., Brooks, R.R. and Reeves, R.D., A method for the quantification of bismuth and palladium in geological materials including Cretaceous–Tertiary boundary clays ..... 75(4): 305–310
Windley, B.F., see Kaiyi, W. et al. ..... 70(1/2): 149
Winegarden, D.L., see Aleinikoff, J.N. et al. ..... *80(4): 351–363
Winn, K., see Sarnthein, M. and Winn, K. ..... 70(1/2): 112
Wirakusumah, A.D., see Poorter, R.P.E. et al. ..... 76(3/4): 215–228
Wirth, R., see Hess, J.C. et al. ..... *66(1/2): 137–149
Wise, S.A., Campbell, R.M., West, W.R., Lee, M.L. and Bartle, K.D., Characterization of polycyclic aromatic hydrocarbon minerals curtisite, idrialite and pendletonite using high-performance liquid chromatography, gas chromatography, mass spectrometry and nuclear magnetic resonance spectrometry ..... 54(3/4): 339–357
Wison, M.J., *Natural Zeolites* by G. Gottardi and E. Galli (Book Review) ..... 62(3/4): 332–333
Witter, A.E., see Druffel, E.R.M. et al. ..... 70(1/2): 108

Wittrup, M.B. and Kyser, T.K., The petrogenesis of brines in Devonian potash deposits of western Canada .. 82(1/2): 103–128
Wogelius, R.A. and Walther, J.V., Olivine dissolution kinetics at near-surface conditions ..... 97(1/2): 101–112
Wogelius, R.A., see Seitz, M.G. et al. ..... 64(1/2): 109–119
Woittiez, J.R.W., see Middelburg, J.J. et al. ..... 68(3/4): 253–273
Wolf, G.H., see McMillan, P.F. et al. ..... 96(3/4): 351–366
Wolf, K.H., *Metal Pollution in the Aquatic Environment* by U. Förstner and G.T.W. Wittmann (Book Review). 55(1/2): 162–165
Wolf, M., Breitkopf, O. and Puk, R., Solubility in calcite in different electrolytes at temperatures between 10° and 60°C and at CO_2 partial pressures of about 1 kPa ..... 76(3/4): 291–301
Wölfl, W., see Bösinger, R. et al. ..... 70(1/2): 96
Wölfli, W., see Wagenbach, D. et al. ..... 70(1/2): 105
Wölfli, W., see Mangini, A. et al. ..... 70(1/2): 110
Wölfli, W., see Henken-Mellies, W.U. et al. ..... 70(1/2): 119
Wollast, R., see Chou, L. et al. ..... 70(1/2): 77
Wollast, R., see Chou, L. et al. ..... 78(3/4): 269–282
Wollenberg, H.A. and Flexser, S., Contact zones and hydrothermal systems as analogues to repository conditions ..... 55(3/4): 345–359
Wood, J.A., Effects of thermal processing in the solar nebula on primordial planetary materials ..... 70(1/2): 33
Wood, S.A., The aqueous geochemistry of the rare-earth elements and yttrium, 1. Review of available low-temperature data for inorganic complexes and the inorganic REE speciation of natural waters..... 82(1/2): 159–186
Wood, S.A., The aqueous geochemistry of the rare-earth elements and yttrium, 2. Theoretical predictions of speciation in hydrothermal solutions to 350°C at saturated water vapor pressure ..... 88(1/2): 99–125
Woodhead, J.D., Geochemistry of the Mariana arc (western Pacific): Source composition and processes ..... 76(1/2): 1– 24
Woronow, A., see Love, K.M. and Woronow, A. ..... 93(3/4): 291–301
Wright, D.W., see Potts, P.J. et al. ..... 63(3/4): 345–354
Wright, I.P., Grady, M.M. and Pillinger, C.T., $\delta^{13}C$ and $\delta^{18}O$ study of acid-soluble inorganic components in meteorites ..... 70(1/2): 27
Wright, I.P., see Franchi, I.A. et al. ..... 70(1/2): 24
Wright, I.P., see Alexander, C.M.O'D. et al. ..... 70(1/2): 24
Wright, I.P., see Grady, M.M. et al. ..... 70(1/2): 25
Wright, I.P., see Prosser, S.J. et al. ..... 83(1/2): 71– 88
Wright, K., see Price, G.D. and Wright, K. ..... 70(1/2): 64
Wu, Y., see Frantz, J.D. et al. ..... 69(3/4): 235–244
Wyllie, P.J., see Rutter, M.J. and Wyllie, P.J. ..... 70(1/2): 73
Wyttenbach, A., see Gebauer, D. et al. ..... *52(2): 227–247

Xie, G., see Flower, M.F.J. et al. ..... 70(1/2): 87
Xie, G., see Tu, K. et al. ..... 97(1/2): 47– 63
Xie, G., see Flower, M.F.J. et al. ..... 97(1/2): 65– 87
Xie, G.-H., see Liu, C.-Q. et al. ..... 97(3/4): 219–231
Xie, Q., see Gao, S. et al. ..... 92(4): 261–282
Xinke, Y., see Pu, F. et al. ..... 93(1/2): 61– 78
Xu, J., see Manghnani, M.H. et al. ..... 70(1/2): 88
Xu, J.-A., see Manghnani, M.H. et al. ..... 70(1/2): 63
Xu, Z., see Hirner, A.V. and Xu, Z. ..... 91(2): 115–124
Xue, X., see Stebbins, J.F. et al. ..... 96(3/4): 371–385

Yagi, M., see Kuroda, Y. et al. ..... *58(4): 283–302
Yahaya, M., see Forbes, P. et al. ..... 71(4): 267–282
Yalçin, M.N., see Welte, D.H. et al. ..... 71(1/3): 105–116
Yamada, T., see Kuroda, Y. et al. ..... *58(4): 283–302
Yamada, T., see Kuroda, Y. et al. ..... *73(4): 343–352
Yamamoto, K., Sugisaki, R. and Arai, F., Chemical aspects of alteration of acidic tuffs and their application to siliceous deposits ..... 55(1/2): 61– 76
Yamamoto, M. and Iga, T., Chemical separation of pyrite from chalcopyrite using hydrochloric acid in the presence of aluminium for sulfur isotope analyses..... *80(2): 127–131
Yamamoto, M., Taguchi, K. and Sasaki, K., Basic nitrogen compounds in bitumen and crude oils ..... 93(1/2): 193–206
Yamamoto, S., see Fukushima, K. et al. ..... 64(1/2): 169–179
Yan, L., Stallard, R.F., Key, R.M. and Crerar, D.A., The chemical behavior of trace metals and ^{226}Ra during estuarine mixing in the Mullica River estuary, New Jersey, U.S.A.: A comparison between field observation and equilibrium calculation ..... 85(3/4): 369–381

Yan, L., Stallard, R.F., Crerar, D.A. and Key, R.M., Experimental evidence on the behavior of metal-bearing colloids in low-salinity estuarine water ..... 100(3/4): 163–174
Yanaki, N.E., see Stiller, M. et al. ..... *58(1/2): 107–119
Yanes, C. and Ramirez, A., Chemical weathering in the Venezuelan Guiana shield ..... 84(1/4): 153–154
Yanes, C., see Lo Monaco, S. and Yanes, C. ..... 84(1/4): 98– 99
Yanev, Y., Yordanov, Y., Boyadjieva, R. and Andreev, A., Geochemistry of the collision related acid volcanism in the Eastern Rhodopes, Bulgaria ..... 71(4): 370
Yang, M., see Crerar, D. et al. ..... 70(1/2): 159
Yang, Y., see Elderfield, H and Yang, Y. ..... 70(1/2): 109
Yapp, C.J., A possible goethite-iron (III) carbonate solid solution and the determination of CO_2 partial pressures in low-temperature geologic systems ..... 64(3/4): 259–268
Yapp, C.J., Oxygen isotopes in iron (III) oxides, 1. Mineral–water fractionation factors ..... 85(3/4): 329–335
Yapp, C.J., Oxygen isotopes in iron (III) oxides, 2. Possible constraints on the depositional environment of a Precambrian quartz–hematite banded iron formation ..... 85(3/4): 337–344
Yariv, S., Heller-Kallai, L. and Deutsch, Y., Adsorption of stearic acid by allophane ..... 68(3/4): 199–206
Yeganeh-Haeri, A., see Weidner, D.J. and Yeganeh-Haeri, A. ..... 70(1/2): 64
Yilmaz, H. and Helvaci, C., Uranium and thorium in Paleozoic metamorphic terrains of Turkey ..... 54(1/2): 127–133
Yiming, H., see Taylor, R.P. et al. ..... *94(3): 215–227
Yiou, F. and Raisbeck, G.M., ^{10}Be in ice at the South Pole during the last 1000 years ..... 70(1/2): 169
Yiou, F., Raisbeck, G.M., Bourles, D., Deboffle, D., Lestringuez, J. and Zhou S.Z., Measurement of cosmogenic ^{10}Be, ^{7}Be and ^{26}Al with a Tandetron accelerator mass spectometer facility ..... 70(1/2): 178
Yiou, F., see Zhiou, S.Z. et al. ..... 70(1/2): 111
Yiou, F., see Bourles, D. et al. ..... 70(1/2): 111
Yiou, F., see Raisbeck, G.M. et al. ..... 70(1/2): 120
Yiou, F., see Raisbeck, G.M. et al. ..... 70(1/2): 120
Yiou, F., see Bernat, M. et al. ..... 84(1/4): 347–349
Yonge, C.J. and Krouse, H.R., The origin of sulphates in Castleguard Cave, Columbia Icefields, Canada .... *65(3/4): 427–433
Yonge, C.J., Ford, D.C., Gray, J. and Schwarcz, H.P., Stable isotope studies of cave seepage water ..... *58(1/2): 97–105
Yordanov, Y., see Yanev, Y. et al. ..... 71(4): 370
York D., Coherent and incoherent light on old rocks ..... 70(1/2): 149
York, D., see Glass, B.P. et al. ..... *59(2/3): 181–186
York, D., see Lo Bello, Ph. et al. ..... *66(1/2): 61– 71
Yörük, R., see Ergin, M. et al. ..... 91(3): 269–285
Yoshida, Y., see Kiyosu, Y. et al. ..... *94(4): 321–329
Yoshino, T., see Nakano, T. et al. ..... 89(3/4): 379–389
Yost, R.A., see Concha, M.A. et al. ..... 91(2): 153–168
Yost, R.A., see Stanley, K.D. et al. ..... 91(2): 169–183
Yost, R.A., see Beato, B.D. et al. ..... 91(2): 185–192
You, C.-F., Lee, T. and Li, Y.-H., The partition of Be between soil and water ..... 77(2): 105–118
Yücesoy, F. and Ergin, M., Heavy-metal geochemistry of surface sediments from the southern Black Sea shelf and upper slope ..... 99(4): 265–287
Yuen, D.A., see Rustad, J.R. et al. ..... 96(3/4): 421–437
Yui, T.-F. and Jeng, R.-C., A stable-isotope study of the hydrothermal alteration of the East Taiwan Ophiolite 89(1/2): 65– 85
Yund, R.A., see Farver, J.R. and Yund, R.A. ..... 90(1/2): 55– 70

Zachmann, D., see Lago, M. et al. ..... 70(1/2): 156
Zachry, D.L., see Wagner, G.H. et al. ..... 53(1/2): 71– 82
Zadnik, M.G. and Jeffery, P.M., Radiogenic neon in an Archaean anorthosite ..... *52(1): 119–125
Zahra, A.M., Zahra, C.Y., Rogez, J. and Mathieu, J.C., Thermodynamic and kinetic study of the $PbO–B_2O_3$ and $PbO–SiO_2$ systems in the glass transition range ..... 70(1/2): 89
Zahra, C.Y., see Zahra, A.M. et al. ..... 70(1/2): 89
Zaïmi, A.M., see Semet, M.P. et al. ..... 70(1/2): 56
Zan, L., see Passerini, P. and Zan, L. ..... 77(3/4): 365–374
Zanda, B. and Audouze, J., Cosmogenic nuclides in iron meteorites and the constancy of Galactic Cosmic Rays in the past ..... 70(1/2): 27
Zantedeschi, P., see Piccirillo, E.M. et al. ..... 89(1/2): 19– 48
Zartman, R.E., see Peng, Z.C. et al. ..... *59(1): 3– 33
Zartman. R.E., see Asmerom, Y. et al. ..... *87(3/4): 167–173
Zeck, H.P., see Munksgaard, N.C. and Zeck, H.P. ..... 51(3/4): 239–246
Zeck, M.P., Ottesen, C. and Toft, J., Volume effect of a gabbro–amphibolite transition ..... 67(1/2): 141–153
Zeda, O., see Beccaluva, L. et al. ..... 77(3/4): 165–182

Zeda, O., see Beccaluva, L. et al. ..... 77(3/4): 331–345
Zeibig, G. and Möller, P., Extraction of elements from geological samples by ion exchange resins ..... 70(1/2): 20
Zeibig, G., Kubanek, F. and Luck, J., Pressure leaching of boron from argillaceous sediments for facies analysis ..... 74(3/4): 343–349
Zeitler, P.K., Argon diffusion in partially outgassed alkali feldspars: Insights from $^{40}Ar/^{39}Ar$ analysis ..... *65(2): 167–181
Zeitler, P.K., Argon diffusion in partially outgassed alkali feldspars: Insights from $^{40}Ar/^{39}Ar$ analysis— Reply (Discussion) ..... *73(3): 268–269
Zeitler, P.K., see Maboko, M.A.H. et al. ..... *86(2): 139–160
Zeng, Y.B., Ward, D.M., Brassell, S.C. and Eglinton, G., Biogeochemistry of hot spring environments, 2. Lipid compositions of Yellowstone (Wyoming, U.S.A.) cyanobacterial and *Chloroflexus* mats ..... 95(3/4): 327–345
Zeng, Y.B., Ward, D.M., Brassell, S.C. and Eglinton, G., Biogeochemistry of hot spring environments, 3. Apolar and polar lipids in the biologically active layers of a cyanobacterial mat ..... 95(3/4): 347–360
Zeng, Y.B., see Robinson, N. et al. ..... 76(1/2): 153–173
Zhang, B., see Gao, S. et al. ..... 92(4): 261–282
Zhang, J., Huang, W.W., Liu, M.G., Gu, Y.Q. and Gu, Z.Y., Element concentration and partitioning of loess in the Huanghe (Yellow River) drainage basin, north China ..... 89(1/2): 189–199
Zhang, M., see Flower, M.F.J. et al. ..... 70(1/2): 87
Zhang, M., see Tu, K. et al. ..... 97(1/2): 47– 63
Zhang, M., see Flower, M.F.J. et al. ..... 97(1/2): 65– 87
Zhang, Y. and Zindler, A., Chemical geodynamics of carbon and nitrogen ..... 70(1/2): 43
Zhang, Y.-G. and Frantz, J.D., Experimental determination of the compositional limits of immiscibility in the system $CaCl_2$–H_2O–CO_2 at high temperatures and pressures using synthetic fluid inclusions ..... 74(3/4): 289–308
Zhang, Y.G., see Frantz, J.D. et al. ..... 69(3/4): 235–244
Zhang, Y.G., see Frantz, J.D. et al. ..... 76(1/2): 57– 70
Zhang, Y-G. and Frantz, J.D., Determination of the homogenization temperatures and densities of supercritical fluids in the system NaCl–KCl–$CaCl_2$–H_2O using synthetic fluid inclusions ..... 64(3/4): 335–350
Zhang,Y-G. and Frantz, J.D., Hydrothermal reactions involving equilibrium between minerals and mixed volatiles, 2. Investigations of fluid properties in the CO_2–CH_4–H_2O system using synthetic fluid inclusions 100(1/2): 51– 72
Zheng, Y.-F., Effects of oxygen fugacity and temperature on sulfur isotope composition in igneous rocks .... 70(1/2): 20
Zheng, Y.-F., Influences of the nature of the initial Rb–Sr system on isochron validity ..... *80(1): 1– 16
Zheng, Y-F., The three-dimensional U–Pb method: Generalized models and implications for U–Pb two-stage systematics ..... 100(1/2): 3– 18
Zhenxi, L., see Pu, F. et al. ..... 93(1/2): 61– 78
Zhi, X., Song, Y., Frey, F. and Feng, J., Zhai, M., Geochemistry of Hannuoba basalts, eastern China: Constraints on the origin of continental alkalic and tholeiitic basalt ..... 88(1/2): 1– 33
Zhi, X., see Song, Y. et al. ..... 88(1/2): 35– 52
Zhiou, S.Z., Raisbeck, G.M., Yiou, F., Bourles, D. and Labeyrie, L., A high resolution study of $^{10}Be/^{9}Be$ in an Indian Ocean sediment core deposited during the last ~75,000 years ..... 70(1/2): 111
Zhiou, S.Z., see Raisbeck, G.M. et al. ..... 70(1/2): 120
Zhong, H., see Chen, J.-S. et al. ..... *86(3): 239–251
Zhong, S. and Mucci, A., Calcite and aragonite precipitation from seawater solutions of various salinities: Precipitation rates and overgrowth compositions ..... 78(3/4): 283–299
Zhong, S., see Mucci, A. et al. ..... 74(3/4): 309–320
Zhou S.Z., see Yiou, F. et al. ..... 70(1/2): 178
Zhou, Z.S., see Raisbeck, G.M. et al. ..... 70(1/2): 120
Zhu, G.-Q., Fan, S.-K. and Mao, C.-X., Geochronological and Nd isotopic evidences for three main episodes of continental crust growth in China ..... 70(1/2): 149
Zhuk, L.I. and Kist, A.A., Elemental hair composition as a biochemical indicator ..... 70(1/2): 21
Zhuravlev, A.Z., see Zhuravlev, D.Z. et al. ..... *66(3/4): 227–243
Zhuravlev, D.Z., Tsvetkov, A.A., Zhuravlev, A.Z., Gladkov, N.G. and Chernyshev, I.V., $^{143}Nd/^{144}Nd$ and $^{87}Sr/^{86}Sr$ ratios in Recent magmatic rocks of the Kurile island arc. ..... *66(3/4): 227–243
Zielinski, R.A., Otton, J.K., Wanty, R.B. and Pierson, C.T., The geochemistry of water near a surficial organic-rich uranium deposit, northeastern Washington State, U.S.A. ..... 62(3/4): 263–289
Zimmermann, J.L., Chemineé, J.L. and Delorme, H., Chemical analyses and diffusion studies of gases in andesitic lavas: Arenal Volcano (Costa Rica) ..... 61(1/4): 299–308
Zimmermann, J.L., see Jambon, A. and Zimmermann, J.L. ..... 62(3/4): 177–189
Zimmermann, J.L., see Jambon, A. et al. ..... 70(1/2): 38
Zimmermann, P.H., Feichter, J. and Crutzen, P.J., A global three-dimensional transport model and its proof by ^{85}Kr and ^{222}Rn ..... 70(1/2): 105
Zindler, A. and Jagoutz, E., Lead isotope systematics in spinel lherzolite nodules ..... 70(1/2): 58
Zindler, A., see Hart, S.R. and Zindler, A. ..... 57(3/4): 247–267

Zindler, A., see Zhang, Y. and Zindler, A. ..... 70(1/2): 43
Zindler, A., see Jagoutz, E. and Zindler, A. ..... 70(1/2): 51
Zindler, A., see Reisberg, L. and Zindler, A. ..... 70(1/2): 55
Zingaro, R.A., see Ilger, J.D. et al. ..... 63(3/4): 197–216
Zoller, W.H. and Miller, T., Hot spot volcanism. A source of platinum group elements to the atmosphere ... 71(4): 370
Zöller, L., Stremme, H. and Wagner, G.A., Thermolumineszenz-Datierung an Löss–Paläoboden-Sequenzen von Nieder- Mittel- und Oberrhein/Bundesrepublik Deutschland. (Thermoluminescence dating of loess–paleosol sequences in the Lower Rhine, Middle Rhine and Upper Rhine area, Federal Republic of Germany ..... *73(1): 39– 62
Zonenshain, L.P., see Dobretsov, N.L. and Zonenshain, L.P. ..... 77(3/4): 323–330
Zorpi, M.J., Coulon, C. and Orsini, J.B., Hybridization between felsic and mafic magmas in calc-alkaline granitoid — a case study in northern Sardinia, Italy ..... 92(1/3): 45– 86
Zsolnay, A., Pyrolysis–mass spectrometry and multivariate data analysis of Venezuela Basin sediments ..... 92(4): 355–362
Zuddas, P. and Michard, G., Trace elements behaviour during fluid–plagioclase interaction: Experimental study ..... 84(1/4): 337–338
Zuddas, P., see Caboi, R. et al. ..... 70(1/2): 7
Zuddas, P., see Cidu, R. et al. ..... 70(1/2): 153
Zuddas, P., see Cidu, R. et al. ..... 70(1/2): 153
Zuddas, P., see Pauwels, H. et al. ..... 78(3/4): 255–267
Zuddas, P., see Cidu, R. et al. ..... 84(1/4): 198–200
Zuddas, P., see Cidu, R. et al. ..... 84(1/4): 198–200
Zuther, M. and Brockamp, O., The fossil geothermal system of the Baden-Baden trough (northern Black Forest, F.R. Germany) ..... 71(4): 337–353
Zutshi, D.P., see Kango, R.A. et al. ..... 64(1/2): 121–126
Zuurdeeg, B.W., Coenegracht, Y.M.A., Vriend, S.P., Van Pruissen, F.G.M., Poorter, R.P.E., Van Os, B.J.H. and Pietersen, H.S., Bogore containing arsenic in The Netherlands: No environmental remedial action required 70(1/2): 14

Year of Publication of Each Volume

51	1985	74 (from p. 189) –78	1989
*52	1985	*79–*80 (to p. 84)	1989
53	1985	*80 (from p. 85)	1990
54–57	1986	81–85	1990
*58 (to p. 194)	1985	*86 (to p. 88)	1990
*58 (from p. 195) –*59	1986	*86 (from p. 89) –*87	1991
60–64	1987	88–89 (to p. 208)	1990
*65–*66	1987	89 (from p. 209) –93	1991
67–71	1988	*94 (to p. 160)	1991
*72–*73 (to p. 272)	1988	*94 (from p. 161)	1992
*73 (from p. 273)	1989	95–100	1992
74 (to p. 188)	1988		

*Refers to *Isotope Geoscience*. The Volumes 52, 58, 59, 65, 66, 72, 73, 79, 80, 86, 87 and 94 of *Chemical Geology* are the Volumes 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 and 14 of *Isotope Geoscience*, respectively.